

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Be-7								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,44E-01	4,26E-01	6,86E-01	6,48E-01	2,75E-01	4,54E-01	7,12E-01	6,68E-01
2	4,44E-01	7,34E-01	1,15E+00	1,08E+00	5,04E-01	7,75E-01	1,17E+00	1,09E+00
3	6,10E-01	9,44E-01	1,43E+00	1,33E+00	6,90E-01	9,70E-01	1,39E+00	1,28E+00
3,5	6,85E-01	1,03E+00	1,53E+00	1,42E+00	7,74E-01	1,04E+00	1,46E+00	1,32E+00
4	7,58E-01	1,11E+00	1,62E+00	1,49E+00	8,54E-01	1,11E+00	1,50E+00	1,36E+00
5	9,00E-01	1,25E+00	1,78E+00	1,63E+00	1,01E+00	1,22E+00	1,57E+00	1,40E+00
6	1,04E+00	1,39E+00	1,93E+00	1,75E+00	1,15E+00	1,32E+00	1,63E+00	1,43E+00
7	1,17E+00	1,52E+00	2,07E+00	1,87E+00	1,29E+00	1,42E+00	1,68E+00	1,45E+00
8	1,30E+00	1,65E+00	2,21E+00	1,98E+00	1,43E+00	1,52E+00	1,74E+00	1,48E+00
9	1,43E+00	1,78E+00	2,35E+00	2,09E+00	1,56E+00	1,62E+00	1,79E+00	1,50E+00
10	1,56E+00	1,91E+00	2,49E+00	2,20E+00	1,69E+00	1,71E+00	1,84E+00	1,53E+00
11	1,68E+00	2,03E+00	2,62E+00	2,31E+00	1,82E+00	1,80E+00	1,89E+00	1,55E+00
12	1,80E+00	2,15E+00	2,75E+00	2,42E+00	1,95E+00	1,89E+00	1,93E+00	1,58E+00
13	1,92E+00	2,27E+00	2,87E+00	2,52E+00	2,07E+00	1,98E+00	1,98E+00	1,60E+00
14	2,04E+00	2,39E+00	3,00E+00	2,62E+00	2,19E+00	2,06E+00	2,03E+00	1,62E+00
15	2,15E+00	2,50E+00	3,12E+00	2,72E+00	2,30E+00	2,15E+00	2,07E+00	1,64E+00
20	2,69E+00	3,04E+00	3,70E+00	3,20E+00	2,86E+00	2,55E+00	2,29E+00	1,75E+00
30	3,65E+00	3,99E+00	4,72E+00	4,04E+00	3,83E+00	3,25E+00	2,66E+00	1,93E+00
40	4,47E+00	4,81E+00	5,60E+00	4,75E+00	4,66E+00	3,85E+00	2,98E+00	2,08E+00
45	4,83E+00	5,17E+00	5,98E+00	5,07E+00	5,03E+00	4,12E+00	3,12E+00	2,15E+00
50	5,17E+00	5,51E+00	6,34E+00	5,37E+00	5,36E+00	4,36E+00	3,25E+00	2,21E+00
60	5,77E+00	6,11E+00	6,99E+00	5,90E+00	5,96E+00	4,79E+00	3,48E+00	2,32E+00
70	6,30E+00	6,64E+00	7,55E+00	6,36E+00	6,47E+00	5,16E+00	3,67E+00	2,42E+00
80	6,76E+00	7,09E+00	8,04E+00	6,76E+00	6,91E+00	5,48E+00	3,84E+00	2,50E+00
90	7,16E+00	7,49E+00	8,47E+00	7,11E+00	7,28E+00	5,74E+00	3,98E+00	2,57E+00
100	7,50E+00	7,84E+00	8,84E+00	7,41E+00	7,60E+00	5,98E+00	4,11E+00	2,63E+00
120	8,07E+00	8,40E+00	9,44E+00	7,91E+00	8,10E+00	6,34E+00	4,30E+00	2,73E+00
180	9,07E+00	9,40E+00	1,05E+01	8,78E+00	8,96E+00	6,96E+00	4,64E+00	2,89E+00
200	9,26E+00	9,59E+00	1,07E+01	8,95E+00	9,11E+00	7,07E+00	4,70E+00	2,92E+00
300	9,70E+00	1,00E+01	1,12E+01	9,34E+00	9,45E+00	7,32E+00	4,83E+00	2,99E+00
360	9,79E+00	1,01E+01	1,13E+01	9,41E+00	9,51E+00	7,36E+00	4,85E+00	3,00E+00
365	9,79E+00	1,01E+01	1,13E+01	9,41E+00	9,52E+00	7,36E+00	4,85E+00	3,00E+00
400	9,81E+00	1,01E+01	1,13E+01	9,43E+00	9,53E+00	7,38E+00	4,86E+00	3,00E+00
500	9,84E+00	1,02E+01	1,13E+01	9,46E+00	9,55E+00	7,39E+00	4,87E+00	3,01E+00
600	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,39E+00	4,87E+00	3,01E+00
700	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
800	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
900	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
1000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
2000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
3000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
4000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
5000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
6000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
8000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
10000	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
13500	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
14600	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
18250	9,85E+00	1,02E+01	1,14E+01	9,47E+00	9,56E+00	7,40E+00	4,87E+00	3,01E+00
Eff. Dosis	4,5E-11	4,9E-11	5,6E-11	4,8E-11	8,4E-11	6,6E-11	4,3E-11	2,7E-11
Gebärmutter	3,9E-11	4,8E-11	6,2E-11	5,4E-11	1,9E-11	2,6E-11	3,7E-11	3,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Be-7						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,79E-01	4,57E-01	7,14E-01	6,69E-01	9,35E-01	8,05E-01
2	5,16E-01	7,83E-01	1,18E+00	1,09E+00	1,46E+00	1,55E+00
3	7,10E-01	9,83E-01	1,40E+00	1,28E+00	1,64E+00	2,27E+00
3,5	7,97E-01	1,06E+00	1,46E+00	1,32E+00	1,67E+00	2,62E+00
4	8,80E-01	1,12E+00	1,51E+00	1,35E+00	1,68E+00	2,96E+00
5	1,04E+00	1,24E+00	1,58E+00	1,39E+00	1,70E+00	3,64E+00
6	1,19E+00	1,35E+00	1,63E+00	1,42E+00	1,70E+00	4,31E+00
7	1,34E+00	1,45E+00	1,69E+00	1,45E+00	1,71E+00	4,96E+00
8	1,48E+00	1,55E+00	1,74E+00	1,47E+00	1,71E+00	5,59E+00
9	1,62E+00	1,65E+00	1,79E+00	1,49E+00	1,71E+00	6,22E+00
10	1,76E+00	1,75E+00	1,84E+00	1,52E+00	1,72E+00	6,83E+00
11	1,89E+00	1,84E+00	1,89E+00	1,54E+00	1,72E+00	7,43E+00
12	2,02E+00	1,93E+00	1,93E+00	1,56E+00	1,72E+00	8,01E+00
13	2,15E+00	2,03E+00	1,98E+00	1,58E+00	1,72E+00	8,59E+00
14	2,27E+00	2,12E+00	2,03E+00	1,60E+00	1,73E+00	9,16E+00
15	2,40E+00	2,20E+00	2,07E+00	1,62E+00	1,73E+00	9,71E+00
20	2,98E+00	2,62E+00	2,28E+00	1,72E+00	1,74E+00	1,24E+01
30	4,02E+00	3,37E+00	2,66E+00	1,89E+00	1,77E+00	1,70E+01
40	4,91E+00	4,01E+00	2,98E+00	2,03E+00	1,79E+00	2,10E+01
45	5,30E+00	4,29E+00	3,13E+00	2,10E+00	1,80E+00	2,27E+01
50	5,67E+00	4,56E+00	3,26E+00	2,16E+00	1,80E+00	2,44E+01
60	6,33E+00	5,03E+00	3,50E+00	2,27E+00	1,82E+00	2,73E+01
70	6,90E+00	5,44E+00	3,70E+00	2,36E+00	1,83E+00	2,99E+01
80	7,39E+00	5,79E+00	3,88E+00	2,44E+00	1,84E+00	3,21E+01
90	7,81E+00	6,09E+00	4,03E+00	2,51E+00	1,85E+00	3,40E+01
100	8,17E+00	6,35E+00	4,17E+00	2,57E+00	1,86E+00	3,57E+01
120	8,75E+00	6,77E+00	4,38E+00	2,67E+00	1,87E+00	3,84E+01
180	9,75E+00	7,49E+00	4,74E+00	2,83E+00	1,90E+00	4,33E+01
200	9,92E+00	7,62E+00	4,80E+00	2,86E+00	1,90E+00	4,42E+01
300	1,03E+01	7,91E+00	4,95E+00	2,93E+00	1,91E+00	4,64E+01
360	1,04E+01	7,96E+00	4,98E+00	2,94E+00	1,92E+00	4,68E+01
365	1,04E+01	7,96E+00	4,98E+00	2,94E+00	1,92E+00	4,68E+01
400	1,04E+01	7,98E+00	4,99E+00	2,94E+00	1,92E+00	4,69E+01
500	1,05E+01	7,99E+00	4,99E+00	2,95E+00	1,92E+00	4,71E+01
600	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
700	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
800	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
900	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
1000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
2000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
3000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
4000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
5000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
6000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
8000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
10000	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
13500	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
14600	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
18250	1,05E+01	8,00E+00	5,00E+00	2,95E+00	1,92E+00	4,71E+01
Eff. Dosis	1,14E-10	8,6E-11	5,3E-11	3,1E-11	2,1E-11	2,1E-10
Gebärmutter	8,93E-12	1,9E-11	3,3E-11	3,1E-11	5,1E-11	1,7E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

F-18

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,02E-02	1,76E-02	2,82E-02	2,66E-02	1,03E-02	1,77E-02	2,82E-02	2,66E-02
0,08333	1,71E-02	2,94E-02	4,70E-02	4,44E-02	1,72E-02	2,96E-02	4,73E-02	4,46E-02
0,125	2,15E-02	3,72E-02	5,95E-02	5,62E-02	2,20E-02	3,77E-02	6,01E-02	5,67E-02
0,1667	2,45E-02	4,23E-02	6,78E-02	6,40E-02	2,52E-02	4,31E-02	6,88E-02	6,49E-02
0,2083	2,64E-02	4,57E-02	7,32E-02	6,91E-02	2,74E-02	4,68E-02	7,47E-02	7,04E-02
0,25	2,76E-02	4,79E-02	7,67E-02	7,25E-02	2,88E-02	4,93E-02	7,86E-02	7,41E-02
0,2917	2,84E-02	4,93E-02	7,91E-02	7,47E-02	2,98E-02	5,10E-02	8,13E-02	7,66E-02
0,3333	2,89E-02	5,02E-02	8,06E-02	7,61E-02	3,05E-02	5,22E-02	8,31E-02	7,83E-02
0,375	2,92E-02	5,08E-02	8,16E-02	7,70E-02	3,10E-02	5,29E-02	8,43E-02	7,94E-02
0,4167	2,94E-02	5,12E-02	8,22E-02	7,77E-02	3,13E-02	5,35E-02	8,51E-02	8,02E-02
0,4583	2,96E-02	5,15E-02	8,26E-02	7,81E-02	3,15E-02	5,38E-02	8,57E-02	8,07E-02
0,5	2,97E-02	5,16E-02	8,29E-02	7,83E-02	3,17E-02	5,40E-02	8,60E-02	8,11E-02
0,5417	2,97E-02	5,17E-02	8,31E-02	7,85E-02	3,18E-02	5,42E-02	8,63E-02	8,13E-02
0,5833	2,98E-02	5,18E-02	8,32E-02	7,86E-02	3,18E-02	5,43E-02	8,65E-02	8,15E-02
0,625	2,98E-02	5,18E-02	8,33E-02	7,87E-02	3,19E-02	5,44E-02	8,66E-02	8,16E-02
0,6667	2,98E-02	5,19E-02	8,33E-02	7,87E-02	3,19E-02	5,44E-02	8,66E-02	8,17E-02
0,7083	2,98E-02	5,19E-02	8,34E-02	7,87E-02	3,19E-02	5,45E-02	8,67E-02	8,17E-02
0,75	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,19E-02	5,45E-02	8,67E-02	8,17E-02
0,7917	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,19E-02	5,45E-02	8,68E-02	8,18E-02
0,8333	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,19E-02	5,45E-02	8,68E-02	8,18E-02
0,875	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
0,9167	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
0,9583	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,083	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,167	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,25	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,333	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,417	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,5	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,667	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
1,833	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
2	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
3	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
4	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
5	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
6	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
7	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
8	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
9	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
10	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
11	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
12	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
13	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
14	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
15	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
16	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
17	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
18	2,98E-02	5,19E-02	8,34E-02	7,88E-02	3,20E-02	5,45E-02	8,68E-02	8,18E-02
Eff. Dosis	1,2E-11	2,0E-11	3,1E-11	2,8E-11	2,7E-11	3,6E-11	5,0E-11	4,2E-11
Gebärmutter	4,4E-12	5,5E-12	7,3E-12	6,5E-12	1,5E-12	4,1E-12	7,6E-12	7,4E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

F-18

Zeit (d)	Inhalation Typ S				Gas/Dampf	Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm			
0,04167	1,03E-02	1,77E-02	2,82E-02	2,66E-02	3,46E-02	3,46E-02	3,42E-02
0,08333	1,72E-02	2,96E-02	4,73E-02	4,46E-02	5,76E-02	5,78E-02	5,66E-02
0,125	2,20E-02	3,77E-02	6,01E-02	5,67E-02	7,27E-02	7,31E-02	7,10E-02
0,1667	2,52E-02	4,32E-02	6,88E-02	6,49E-02	8,25E-02	8,30E-02	8,02E-02
0,2083	2,74E-02	4,69E-02	7,47E-02	7,04E-02	8,88E-02	8,95E-02	8,61E-02
0,25	2,89E-02	4,94E-02	7,87E-02	7,42E-02	9,28E-02	9,36E-02	8,99E-02
0,2917	2,99E-02	5,11E-02	8,14E-02	7,67E-02	9,54E-02	9,62E-02	9,23E-02
0,3333	3,06E-02	5,23E-02	8,32E-02	7,85E-02	9,70E-02	9,79E-02	9,39E-02
0,375	3,11E-02	5,31E-02	8,45E-02	7,96E-02	9,81E-02	9,90E-02	9,48E-02
0,4167	3,14E-02	5,36E-02	8,53E-02	8,04E-02	9,88E-02	9,97E-02	9,55E-02
0,4583	3,16E-02	5,40E-02	8,59E-02	8,09E-02	9,92E-02	1,00E-01	9,59E-02
0,5	3,18E-02	5,42E-02	8,63E-02	8,13E-02	9,95E-02	1,00E-01	9,61E-02
0,5417	3,19E-02	5,44E-02	8,65E-02	8,16E-02	9,96E-02	1,01E-01	9,63E-02
0,5833	3,20E-02	5,45E-02	8,67E-02	8,17E-02	9,98E-02	1,01E-01	9,64E-02
0,625	3,20E-02	5,46E-02	8,68E-02	8,18E-02	9,98E-02	1,01E-01	9,65E-02
0,6667	3,20E-02	5,46E-02	8,69E-02	8,19E-02	9,99E-02	1,01E-01	9,65E-02
0,7083	3,21E-02	5,47E-02	8,70E-02	8,20E-02	9,99E-02	1,01E-01	9,65E-02
0,75	3,21E-02	5,47E-02	8,70E-02	8,20E-02	9,99E-02	1,01E-01	9,65E-02
0,7917	3,21E-02	5,47E-02	8,70E-02	8,20E-02	9,99E-02	1,01E-01	9,66E-02
0,8333	3,21E-02	5,47E-02	8,71E-02	8,20E-02	9,99E-02	1,01E-01	9,66E-02
0,875	3,21E-02	5,47E-02	8,71E-02	8,20E-02	9,99E-02	1,01E-01	9,66E-02
0,9167	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
0,9583	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,083	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,167	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,25	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,333	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,417	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,5	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,667	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
1,833	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
2	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
3	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
4	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
5	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
6	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
7	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
8	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
9	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
10	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
11	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
12	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
13	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
14	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
15	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
16	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
17	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
18	3,21E-02	5,47E-02	8,71E-02	8,21E-02	9,99E-02	1,01E-01	9,66E-02
Eff. Dosis	2,81E-11	3,7E-11	5,1E-11	4,3E-11	7,8E-11	4,8E-11	1,5E-11
Gebärmutter	1,28E-12	4,0E-12	7,8E-12	7,6E-12	1,9E-11	1,8E-11	2,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Na-22								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,77E-01	4,60E-01	7,24E-01	6,80E-01	2,81E-01	4,60E-01	7,19E-01	6,74E-01
2	5,28E-01	8,68E-01	1,36E+00	1,27E+00	5,24E-01	8,05E-01	1,22E+00	1,13E+00
3	7,63E-01	1,25E+00	1,94E+00	1,82E+00	7,32E-01	1,05E+00	1,52E+00	1,39E+00
3,5	8,75E-01	1,43E+00	2,22E+00	2,08E+00	8,28E-01	1,14E+00	1,63E+00	1,49E+00
4	9,83E-01	1,60E+00	2,49E+00	2,33E+00	9,20E-01	1,23E+00	1,72E+00	1,56E+00
5	1,19E+00	1,93E+00	3,00E+00	2,81E+00	1,10E+00	1,40E+00	1,88E+00	1,70E+00
6	1,38E+00	2,24E+00	3,49E+00	3,26E+00	1,27E+00	1,56E+00	2,04E+00	1,81E+00
7	1,57E+00	2,54E+00	3,94E+00	3,68E+00	1,44E+00	1,71E+00	2,18E+00	1,92E+00
8	1,74E+00	2,81E+00	4,36E+00	4,08E+00	1,60E+00	1,86E+00	2,31E+00	2,03E+00
9	1,90E+00	3,07E+00	4,76E+00	4,45E+00	1,76E+00	2,00E+00	2,44E+00	2,13E+00
10	2,04E+00	3,31E+00	5,13E+00	4,80E+00	1,91E+00	2,14E+00	2,56E+00	2,22E+00
11	2,19E+00	3,53E+00	5,48E+00	5,13E+00	2,06E+00	2,27E+00	2,68E+00	2,31E+00
12	2,32E+00	3,74E+00	5,81E+00	5,43E+00	2,21E+00	2,40E+00	2,79E+00	2,39E+00
13	2,44E+00	3,94E+00	6,11E+00	5,72E+00	2,36E+00	2,53E+00	2,90E+00	2,47E+00
14	2,56E+00	4,13E+00	6,40E+00	5,99E+00	2,50E+00	2,65E+00	3,00E+00	2,55E+00
15	2,66E+00	4,30E+00	6,67E+00	6,24E+00	2,64E+00	2,77E+00	3,10E+00	2,62E+00
20	3,11E+00	5,02E+00	7,79E+00	7,28E+00	3,31E+00	3,33E+00	3,54E+00	2,93E+00
30	3,67E+00	5,93E+00	9,19E+00	8,59E+00	4,50E+00	4,29E+00	4,22E+00	3,38E+00
40	3,97E+00	6,41E+00	9,93E+00	9,28E+00	5,57E+00	5,11E+00	4,74E+00	3,69E+00
45	4,07E+00	6,56E+00	1,02E+01	9,50E+00	6,06E+00	5,48E+00	4,96E+00	3,81E+00
50	4,13E+00	6,67E+00	1,03E+01	9,66E+00	6,53E+00	5,83E+00	5,16E+00	3,92E+00
60	4,22E+00	6,81E+00	1,05E+01	9,86E+00	7,41E+00	6,48E+00	5,52E+00	4,10E+00
70	4,27E+00	6,89E+00	1,07E+01	9,97E+00	8,22E+00	7,08E+00	5,83E+00	4,26E+00
80	4,30E+00	6,93E+00	1,07E+01	1,00E+01	8,97E+00	7,62E+00	6,12E+00	4,39E+00
90	4,32E+00	6,96E+00	1,08E+01	1,01E+01	9,66E+00	8,12E+00	6,38E+00	4,51E+00
100	4,33E+00	6,98E+00	1,08E+01	1,01E+01	1,03E+01	8,58E+00	6,61E+00	4,62E+00
120	4,35E+00	7,01E+00	1,09E+01	1,02E+01	1,15E+01	9,41E+00	7,04E+00	4,82E+00
180	4,38E+00	7,07E+00	1,10E+01	1,02E+01	1,40E+01	1,13E+01	7,98E+00	5,26E+00
200	4,39E+00	7,08E+00	1,10E+01	1,03E+01	1,47E+01	1,17E+01	8,22E+00	5,36E+00
300	4,44E+00	7,15E+00	1,11E+01	1,04E+01	1,67E+01	1,32E+01	9,00E+00	5,73E+00
360	4,46E+00	7,19E+00	1,11E+01	1,04E+01	1,74E+01	1,37E+01	9,26E+00	5,85E+00
365	4,46E+00	7,19E+00	1,11E+01	1,04E+01	1,75E+01	1,38E+01	9,28E+00	5,86E+00
400	4,47E+00	7,21E+00	1,12E+01	1,04E+01	1,78E+01	1,40E+01	9,39E+00	5,91E+00
500	4,50E+00	7,25E+00	1,12E+01	1,05E+01	1,83E+01	1,44E+01	9,59E+00	6,01E+00
600	4,51E+00	7,28E+00	1,13E+01	1,05E+01	1,86E+01	1,46E+01	9,70E+00	6,07E+00
700	4,53E+00	7,30E+00	1,13E+01	1,06E+01	1,87E+01	1,47E+01	9,76E+00	6,10E+00
800	4,54E+00	7,32E+00	1,13E+01	1,06E+01	1,88E+01	1,47E+01	9,79E+00	6,12E+00
900	4,55E+00	7,33E+00	1,14E+01	1,06E+01	1,89E+01	1,48E+01	9,81E+00	6,13E+00
1000	4,55E+00	7,34E+00	1,14E+01	1,06E+01	1,89E+01	1,48E+01	9,82E+00	6,13E+00
2000	4,57E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
3000	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
4000	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
5000	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
6000	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
8000	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
10000	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
13500	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
14600	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
18250	4,58E+00	7,37E+00	1,14E+01	1,07E+01	1,89E+01	1,48E+01	9,85E+00	6,15E+00
Eff. Dosis	9,6E-10	1,6E-09	2,4E-09	2,3E-09	1,2E-08	8,8E-09	5,3E-09	3,0E-09
Gebärmutter	9,3E-10	1,5E-09	2,3E-09	2,2E-09	8,7E-10	1,2E-09	1,7E-09	1,5E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Na-22						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,68E-01	9,65E-01
2	5,22E-01	7,93E-01	1,19E+00	1,10E+00	1,87E+00	1,87E+00
3	7,23E-01	1,00E+00	1,42E+00	1,30E+00	2,71E+00	2,71E+00
3,5	8,14E-01	1,08E+00	1,49E+00	1,35E+00	3,11E+00	3,12E+00
4	9,02E-01	1,15E+00	1,54E+00	1,38E+00	3,50E+00	3,51E+00
5	1,07E+00	1,27E+00	1,62E+00	1,43E+00	4,24E+00	4,25E+00
6	1,24E+00	1,39E+00	1,68E+00	1,46E+00	4,93E+00	4,95E+00
7	1,40E+00	1,51E+00	1,75E+00	1,50E+00	5,58E+00	5,60E+00
8	1,55E+00	1,62E+00	1,81E+00	1,53E+00	6,19E+00	6,21E+00
9	1,71E+00	1,73E+00	1,87E+00	1,56E+00	6,76E+00	6,79E+00
10	1,86E+00	1,84E+00	1,93E+00	1,58E+00	7,29E+00	7,33E+00
11	2,01E+00	1,95E+00	1,98E+00	1,61E+00	7,80E+00	7,83E+00
12	2,16E+00	2,06E+00	2,04E+00	1,64E+00	8,27E+00	8,30E+00
13	2,31E+00	2,17E+00	2,10E+00	1,67E+00	8,71E+00	8,75E+00
14	2,46E+00	2,27E+00	2,15E+00	1,69E+00	9,12E+00	9,17E+00
15	2,61E+00	2,38E+00	2,21E+00	1,72E+00	9,51E+00	9,56E+00
20	3,33E+00	2,90E+00	2,48E+00	1,85E+00	1,11E+01	1,12E+01
30	4,73E+00	3,92E+00	3,00E+00	2,09E+00	1,31E+01	1,32E+01
40	6,09E+00	4,90E+00	3,50E+00	2,32E+00	1,42E+01	1,43E+01
45	6,76E+00	5,37E+00	3,74E+00	2,43E+00	1,45E+01	1,46E+01
50	7,41E+00	5,85E+00	3,98E+00	2,54E+00	1,48E+01	1,49E+01
60	8,70E+00	6,77E+00	4,45E+00	2,75E+00	1,51E+01	1,52E+01
70	9,95E+00	7,67E+00	4,90E+00	2,95E+00	1,53E+01	1,53E+01
80	1,12E+01	8,54E+00	5,34E+00	3,15E+00	1,54E+01	1,55E+01
90	1,24E+01	9,39E+00	5,77E+00	3,35E+00	1,54E+01	1,55E+01
100	1,35E+01	1,02E+01	6,19E+00	3,54E+00	1,55E+01	1,56E+01
120	1,57E+01	1,18E+01	6,99E+00	3,90E+00	1,55E+01	1,56E+01
180	2,17E+01	1,61E+01	9,17E+00	4,88E+00	1,57E+01	1,58E+01
200	2,35E+01	1,74E+01	9,82E+00	5,18E+00	1,57E+01	1,58E+01
300	3,14E+01	2,31E+01	1,27E+01	6,48E+00	1,59E+01	1,60E+01
360	3,53E+01	2,59E+01	1,41E+01	7,13E+00	1,59E+01	1,60E+01
365	3,56E+01	2,62E+01	1,42E+01	7,18E+00	1,59E+01	1,60E+01
400	3,77E+01	2,76E+01	1,50E+01	7,53E+00	1,60E+01	1,61E+01
500	4,29E+01	3,14E+01	1,69E+01	8,39E+00	1,61E+01	1,62E+01
600	4,72E+01	3,45E+01	1,85E+01	9,11E+00	1,61E+01	1,62E+01
700	5,09E+01	3,72E+01	1,98E+01	9,73E+00	1,62E+01	1,63E+01
800	5,41E+01	3,95E+01	2,10E+01	1,03E+01	1,62E+01	1,63E+01
900	5,70E+01	4,15E+01	2,20E+01	1,08E+01	1,63E+01	1,64E+01
1000	5,95E+01	4,33E+01	2,29E+01	1,12E+01	1,63E+01	1,64E+01
2000	7,46E+01	5,42E+01	2,85E+01	1,37E+01	1,64E+01	1,65E+01
3000	8,10E+01	5,88E+01	3,09E+01	1,48E+01	1,64E+01	1,65E+01
4000	8,37E+01	6,08E+01	3,19E+01	1,53E+01	1,64E+01	1,65E+01
5000	8,49E+01	6,17E+01	3,23E+01	1,55E+01	1,64E+01	1,65E+01
6000	8,55E+01	6,21E+01	3,25E+01	1,56E+01	1,64E+01	1,65E+01
8000	8,58E+01	6,23E+01	3,26E+01	1,56E+01	1,64E+01	1,65E+01
10000	8,59E+01	6,24E+01	3,27E+01	1,57E+01	1,64E+01	1,65E+01
13500	8,59E+01	6,24E+01	3,27E+01	1,57E+01	1,64E+01	1,65E+01
14600	8,59E+01	6,24E+01	3,27E+01	1,57E+01	1,64E+01	1,65E+01
18250	8,59E+01	6,24E+01	3,27E+01	1,57E+01	1,64E+01	1,65E+01
Eff. Dosis	5,67E-08	4,1E-08	2,2E-08	1,1E-08	3,5E-09	3,4E-09
Gebärmutter	1,13E-09	1,3E-09	1,6E-09	1,4E-09	3,4E-09	3,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Na-24								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,20E-02	2,07E-02	3,31E-02	3,13E-02	1,20E-02	2,07E-02	3,31E-02	3,13E-02
0,08333	2,34E-02	4,03E-02	6,43E-02	6,07E-02	2,35E-02	4,03E-02	6,43E-02	6,07E-02
0,125	3,43E-02	5,87E-02	9,37E-02	8,83E-02	3,43E-02	5,88E-02	9,37E-02	8,84E-02
0,1667	4,45E-02	7,62E-02	1,21E-01	1,14E-01	4,46E-02	7,63E-02	1,22E-01	1,15E-01
0,2083	5,42E-02	9,26E-02	1,48E-01	1,39E-01	5,44E-02	9,28E-02	1,48E-01	1,39E-01
0,25	6,35E-02	1,08E-01	1,72E-01	1,62E-01	6,37E-02	1,08E-01	1,72E-01	1,62E-01
0,2917	7,22E-02	1,23E-01	1,95E-01	1,84E-01	7,26E-02	1,23E-01	1,96E-01	1,84E-01
0,3333	8,05E-02	1,37E-01	2,17E-01	2,05E-01	8,10E-02	1,37E-01	2,18E-01	2,05E-01
0,375	8,84E-02	1,50E-01	2,38E-01	2,24E-01	8,90E-02	1,51E-01	2,39E-01	2,25E-01
0,4167	9,59E-02	1,62E-01	2,58E-01	2,43E-01	9,66E-02	1,63E-01	2,59E-01	2,43E-01
0,4583	1,03E-01	1,74E-01	2,76E-01	2,60E-01	1,04E-01	1,75E-01	2,77E-01	2,61E-01
0,5	1,10E-01	1,85E-01	2,94E-01	2,76E-01	1,11E-01	1,86E-01	2,95E-01	2,78E-01
0,5417	1,16E-01	1,96E-01	3,10E-01	2,92E-01	1,17E-01	1,97E-01	3,12E-01	2,93E-01
0,5833	1,22E-01	2,06E-01	3,26E-01	3,07E-01	1,24E-01	2,07E-01	3,28E-01	3,08E-01
0,625	1,28E-01	2,16E-01	3,41E-01	3,21E-01	1,29E-01	2,17E-01	3,42E-01	3,22E-01
0,6667	1,34E-01	2,25E-01	3,55E-01	3,34E-01	1,35E-01	2,26E-01	3,57E-01	3,35E-01
0,7083	1,39E-01	2,33E-01	3,69E-01	3,47E-01	1,40E-01	2,35E-01	3,70E-01	3,48E-01
0,75	1,44E-01	2,41E-01	3,81E-01	3,59E-01	1,45E-01	2,43E-01	3,82E-01	3,59E-01
0,7917	1,48E-01	2,49E-01	3,93E-01	3,70E-01	1,50E-01	2,50E-01	3,94E-01	3,70E-01
0,8333	1,53E-01	2,56E-01	4,05E-01	3,81E-01	1,55E-01	2,58E-01	4,05E-01	3,81E-01
0,875	1,57E-01	2,63E-01	4,16E-01	3,91E-01	1,59E-01	2,65E-01	4,16E-01	3,91E-01
0,9167	1,61E-01	2,70E-01	4,26E-01	4,01E-01	1,63E-01	2,71E-01	4,26E-01	4,00E-01
0,9583	1,65E-01	2,76E-01	4,36E-01	4,10E-01	1,67E-01	2,77E-01	4,35E-01	4,09E-01
1	1,69E-01	2,82E-01	4,45E-01	4,18E-01	1,71E-01	2,83E-01	4,44E-01	4,17E-01
1,083	1,76E-01	2,93E-01	4,62E-01	4,35E-01	1,78E-01	2,93E-01	4,60E-01	4,32E-01
1,167	1,82E-01	3,03E-01	4,78E-01	4,49E-01	1,84E-01	3,03E-01	4,74E-01	4,45E-01
1,25	1,87E-01	3,12E-01	4,92E-01	4,62E-01	1,89E-01	3,11E-01	4,86E-01	4,56E-01
1,333	1,92E-01	3,21E-01	5,05E-01	4,74E-01	1,94E-01	3,18E-01	4,97E-01	4,66E-01
1,417	1,97E-01	3,28E-01	5,16E-01	4,85E-01	1,99E-01	3,25E-01	5,07E-01	4,75E-01
1,5	2,01E-01	3,35E-01	5,27E-01	4,95E-01	2,03E-01	3,31E-01	5,15E-01	4,83E-01
1,667	2,08E-01	3,46E-01	5,45E-01	5,12E-01	2,10E-01	3,40E-01	5,29E-01	4,95E-01
1,833	2,14E-01	3,56E-01	5,60E-01	5,25E-01	2,15E-01	3,48E-01	5,39E-01	5,05E-01
2	2,19E-01	3,64E-01	5,72E-01	5,37E-01	2,20E-01	3,54E-01	5,47E-01	5,12E-01
3	2,34E-01	3,89E-01	6,10E-01	5,73E-01	2,34E-01	3,70E-01	5,68E-01	5,30E-01
4	2,39E-01	3,96E-01	6,22E-01	5,84E-01	2,38E-01	3,74E-01	5,72E-01	5,33E-01
5	2,41E-01	3,99E-01	6,26E-01	5,87E-01	2,39E-01	3,75E-01	5,73E-01	5,34E-01
6	2,41E-01	3,99E-01	6,27E-01	5,88E-01	2,39E-01	3,75E-01	5,73E-01	5,35E-01
7	2,41E-01	3,99E-01	6,27E-01	5,88E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
8	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
9	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
10	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
11	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
12	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
13	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
14	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
15	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
16	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
17	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
18	2,41E-01	4,00E-01	6,27E-01	5,89E-01	2,40E-01	3,76E-01	5,74E-01	5,35E-01
Eff. Dosis	1,1E-10	1,9E-10	3,0E-10	2,8E-10	3,1E-10	3,7E-10	4,9E-10	4,3E-10
Gebärmutter	8,1E-11	1,2E-10	1,8E-10	1,7E-10	7,8E-11	2,2E-10	4,1E-10	4,0E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Na-24						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,20E-02	2,07E-02	3,31E-02	3,13E-02	4,07E-02	4,07E-02
0,08333	2,35E-02	4,03E-02	6,43E-02	6,07E-02	7,95E-02	7,94E-02
0,125	3,43E-02	5,88E-02	9,38E-02	8,84E-02	1,17E-01	1,16E-01
0,1667	4,46E-02	7,63E-02	1,22E-01	1,15E-01	1,52E-01	1,51E-01
0,2083	5,44E-02	9,28E-02	1,48E-01	1,39E-01	1,85E-01	1,85E-01
0,25	6,37E-02	1,09E-01	1,72E-01	1,62E-01	2,17E-01	2,17E-01
0,2917	7,26E-02	1,23E-01	1,96E-01	1,84E-01	2,48E-01	2,47E-01
0,3333	8,10E-02	1,37E-01	2,18E-01	2,05E-01	2,76E-01	2,75E-01
0,375	8,90E-02	1,51E-01	2,39E-01	2,25E-01	3,04E-01	3,03E-01
0,4167	9,66E-02	1,63E-01	2,59E-01	2,43E-01	3,30E-01	3,29E-01
0,4583	1,04E-01	1,75E-01	2,77E-01	2,61E-01	3,55E-01	3,54E-01
0,5	1,11E-01	1,87E-01	2,95E-01	2,78E-01	3,79E-01	3,77E-01
0,5417	1,17E-01	1,97E-01	3,12E-01	2,93E-01	4,01E-01	4,00E-01
0,5833	1,24E-01	2,07E-01	3,28E-01	3,08E-01	4,23E-01	4,21E-01
0,625	1,30E-01	2,17E-01	3,43E-01	3,22E-01	4,43E-01	4,41E-01
0,6667	1,35E-01	2,26E-01	3,57E-01	3,35E-01	4,63E-01	4,61E-01
0,7083	1,41E-01	2,35E-01	3,70E-01	3,48E-01	4,81E-01	4,79E-01
0,75	1,46E-01	2,43E-01	3,83E-01	3,59E-01	4,99E-01	4,97E-01
0,7917	1,50E-01	2,51E-01	3,94E-01	3,71E-01	5,15E-01	5,13E-01
0,8333	1,55E-01	2,58E-01	4,05E-01	3,81E-01	5,31E-01	5,29E-01
0,875	1,59E-01	2,65E-01	4,16E-01	3,91E-01	5,47E-01	5,44E-01
0,9167	1,64E-01	2,71E-01	4,26E-01	4,00E-01	5,61E-01	5,59E-01
0,9583	1,67E-01	2,77E-01	4,35E-01	4,08E-01	5,75E-01	5,73E-01
1	1,71E-01	2,83E-01	4,44E-01	4,16E-01	5,88E-01	5,86E-01
1,083	1,78E-01	2,93E-01	4,59E-01	4,31E-01	6,12E-01	6,10E-01
1,167	1,84E-01	3,03E-01	4,73E-01	4,44E-01	6,34E-01	6,32E-01
1,25	1,90E-01	3,11E-01	4,85E-01	4,55E-01	6,54E-01	6,52E-01
1,333	1,95E-01	3,18E-01	4,96E-01	4,65E-01	6,72E-01	6,70E-01
1,417	1,99E-01	3,24E-01	5,05E-01	4,73E-01	6,89E-01	6,86E-01
1,5	2,03E-01	3,30E-01	5,13E-01	4,80E-01	7,03E-01	7,01E-01
1,667	2,10E-01	3,39E-01	5,26E-01	4,92E-01	7,29E-01	7,27E-01
1,833	2,15E-01	3,46E-01	5,35E-01	5,01E-01	7,50E-01	7,48E-01
2	2,20E-01	3,52E-01	5,42E-01	5,07E-01	7,67E-01	7,65E-01
3	2,33E-01	3,66E-01	5,59E-01	5,21E-01	8,23E-01	8,21E-01
4	2,37E-01	3,69E-01	5,61E-01	5,23E-01	8,40E-01	8,38E-01
5	2,38E-01	3,70E-01	5,62E-01	5,23E-01	8,45E-01	8,43E-01
6	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,46E-01	8,45E-01
7	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
8	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
9	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
10	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
11	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
12	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
13	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
14	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
15	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
16	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
17	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
18	2,39E-01	3,70E-01	5,62E-01	5,23E-01	8,47E-01	8,45E-01
Eff. Dosis	3,4E-10	4,0E-10	5,2E-10	4,6E-10	4,8E-10	3,4E-10
Gebärmutter	7,9E-11	2,4E-10	4,6E-10	4,5E-10	3,2E-10	3,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mg-28								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,21E-02	2,09E-02	3,34E-02	3,15E-02	1,21E-02	2,09E-02	3,34E-02	3,15E-02
0,08333	2,37E-02	4,08E-02	6,52E-02	6,14E-02	2,38E-02	4,08E-02	6,52E-02	6,15E-02
0,125	3,49E-02	5,98E-02	9,55E-02	9,00E-02	3,50E-02	5,99E-02	9,56E-02	9,01E-02
0,1667	4,56E-02	7,80E-02	1,24E-01	1,17E-01	4,58E-02	7,82E-02	1,25E-01	1,18E-01
0,2083	5,58E-02	9,55E-02	1,52E-01	1,43E-01	5,62E-02	9,58E-02	1,52E-01	1,44E-01
0,25	6,57E-02	1,12E-01	1,79E-01	1,68E-01	6,62E-02	1,13E-01	1,79E-01	1,69E-01
0,2917	7,51E-02	1,28E-01	2,04E-01	1,92E-01	7,58E-02	1,29E-01	2,05E-01	1,93E-01
0,3333	8,42E-02	1,43E-01	2,28E-01	2,15E-01	8,51E-02	1,44E-01	2,29E-01	2,16E-01
0,375	9,29E-02	1,58E-01	2,51E-01	2,37E-01	9,40E-02	1,59E-01	2,52E-01	2,38E-01
0,4167	1,01E-01	1,72E-01	2,73E-01	2,57E-01	1,03E-01	1,73E-01	2,75E-01	2,59E-01
0,4583	1,09E-01	1,86E-01	2,95E-01	2,77E-01	1,11E-01	1,87E-01	2,96E-01	2,79E-01
0,5	1,17E-01	1,99E-01	3,15E-01	2,96E-01	1,19E-01	2,00E-01	3,17E-01	2,98E-01
0,5417	1,25E-01	2,11E-01	3,34E-01	3,15E-01	1,27E-01	2,13E-01	3,36E-01	3,16E-01
0,5833	1,32E-01	2,23E-01	3,53E-01	3,32E-01	1,34E-01	2,25E-01	3,55E-01	3,34E-01
0,625	1,39E-01	2,34E-01	3,71E-01	3,49E-01	1,41E-01	2,37E-01	3,73E-01	3,51E-01
0,6667	1,45E-01	2,45E-01	3,88E-01	3,65E-01	1,48E-01	2,48E-01	3,91E-01	3,67E-01
0,7083	1,52E-01	2,56E-01	4,05E-01	3,81E-01	1,55E-01	2,58E-01	4,07E-01	3,83E-01
0,75	1,58E-01	2,66E-01	4,20E-01	3,95E-01	1,61E-01	2,69E-01	4,23E-01	3,97E-01
0,7917	1,64E-01	2,76E-01	4,35E-01	4,09E-01	1,67E-01	2,78E-01	4,38E-01	4,12E-01
0,8333	1,70E-01	2,85E-01	4,50E-01	4,23E-01	1,73E-01	2,88E-01	4,52E-01	4,25E-01
0,875	1,75E-01	2,94E-01	4,64E-01	4,36E-01	1,79E-01	2,97E-01	4,66E-01	4,38E-01
0,9167	1,81E-01	3,02E-01	4,77E-01	4,48E-01	1,84E-01	3,05E-01	4,79E-01	4,50E-01
0,9583	1,86E-01	3,11E-01	4,90E-01	4,60E-01	1,90E-01	3,14E-01	4,92E-01	4,62E-01
1	1,91E-01	3,18E-01	5,02E-01	4,72E-01	1,95E-01	3,21E-01	5,04E-01	4,73E-01
1,083	2,00E-01	3,33E-01	5,25E-01	4,93E-01	2,04E-01	3,36E-01	5,26E-01	4,93E-01
1,167	2,08E-01	3,47E-01	5,46E-01	5,13E-01	2,13E-01	3,49E-01	5,46E-01	5,12E-01
1,25	2,16E-01	3,60E-01	5,65E-01	5,31E-01	2,21E-01	3,61E-01	5,63E-01	5,28E-01
1,333	2,24E-01	3,71E-01	5,83E-01	5,47E-01	2,28E-01	3,72E-01	5,80E-01	5,43E-01
1,417	2,31E-01	3,82E-01	5,99E-01	5,62E-01	2,35E-01	3,82E-01	5,94E-01	5,56E-01
1,5	2,37E-01	3,92E-01	6,14E-01	5,76E-01	2,42E-01	3,91E-01	6,07E-01	5,68E-01
1,667	2,49E-01	4,09E-01	6,40E-01	6,00E-01	2,53E-01	4,06E-01	6,29E-01	5,88E-01
1,833	2,58E-01	4,24E-01	6,62E-01	6,21E-01	2,62E-01	4,19E-01	6,46E-01	6,04E-01
2	2,67E-01	4,36E-01	6,81E-01	6,38E-01	2,71E-01	4,29E-01	6,60E-01	6,16E-01
3	2,98E-01	4,81E-01	7,46E-01	6,98E-01	2,99E-01	4,62E-01	6,99E-01	6,50E-01
4	3,12E-01	5,00E-01	7,72E-01	7,22E-01	3,11E-01	4,72E-01	7,09E-01	6,58E-01
5	3,18E-01	5,08E-01	7,84E-01	7,32E-01	3,16E-01	4,77E-01	7,13E-01	6,61E-01
6	3,20E-01	5,12E-01	7,89E-01	7,36E-01	3,18E-01	4,79E-01	7,15E-01	6,62E-01
7	3,22E-01	5,13E-01	7,91E-01	7,38E-01	3,19E-01	4,79E-01	7,15E-01	6,63E-01
8	3,22E-01	5,14E-01	7,92E-01	7,39E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
9	3,22E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
10	3,22E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
11	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
12	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
13	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
14	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
15	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
16	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
17	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
18	3,23E-01	5,14E-01	7,92E-01	7,40E-01	3,20E-01	4,80E-01	7,16E-01	6,63E-01
Eff. Dosis	2,1E-10	3,7E-10	6,0E-10	5,6E-10	7,2E-10	7,6E-10	9,1E-10	7,8E-10
Gebärmutter	1,5E-10	2,8E-10	4,5E-10	4,3E-10	1,2E-10	3,4E-10	6,4E-10	6,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mg-28							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA =0,5	fA=0,2	
0,04167	1,21E-02	2,09E-02	3,34E-02	3,15E-02	4,10E-02	4,10E-02	4,09E-02
0,08333	2,38E-02	4,08E-02	6,52E-02	6,15E-02	8,06E-02	8,06E-02	8,03E-02
0,125	3,50E-02	5,99E-02	9,56E-02	9,01E-02	1,19E-01	1,19E-01	1,18E-01
0,1667	4,58E-02	7,82E-02	1,25E-01	1,18E-01	1,56E-01	1,56E-01	1,54E-01
0,2083	5,62E-02	9,58E-02	1,52E-01	1,44E-01	1,92E-01	1,92E-01	1,89E-01
0,25	6,62E-02	1,13E-01	1,79E-01	1,69E-01	2,26E-01	2,26E-01	2,23E-01
0,2917	7,59E-02	1,29E-01	2,05E-01	1,93E-01	2,59E-01	2,60E-01	2,56E-01
0,3333	8,52E-02	1,44E-01	2,29E-01	2,16E-01	2,91E-01	2,92E-01	2,87E-01
0,375	9,41E-02	1,59E-01	2,52E-01	2,38E-01	3,22E-01	3,23E-01	3,17E-01
0,4167	1,03E-01	1,74E-01	2,75E-01	2,59E-01	3,52E-01	3,53E-01	3,46E-01
0,4583	1,11E-01	1,87E-01	2,96E-01	2,79E-01	3,80E-01	3,82E-01	3,74E-01
0,5	1,19E-01	2,00E-01	3,17E-01	2,98E-01	4,07E-01	4,09E-01	4,01E-01
0,5417	1,27E-01	2,13E-01	3,37E-01	3,17E-01	4,34E-01	4,36E-01	4,28E-01
0,5833	1,34E-01	2,25E-01	3,56E-01	3,34E-01	4,59E-01	4,61E-01	4,53E-01
0,625	1,42E-01	2,37E-01	3,74E-01	3,51E-01	4,83E-01	4,85E-01	4,77E-01
0,6667	1,48E-01	2,48E-01	3,91E-01	3,67E-01	5,06E-01	5,08E-01	5,01E-01
0,7083	1,55E-01	2,59E-01	4,08E-01	3,83E-01	5,29E-01	5,31E-01	5,23E-01
0,75	1,61E-01	2,69E-01	4,23E-01	3,98E-01	5,50E-01	5,52E-01	5,45E-01
0,7917	1,68E-01	2,79E-01	4,38E-01	4,12E-01	5,70E-01	5,72E-01	5,67E-01
0,8333	1,74E-01	2,88E-01	4,53E-01	4,25E-01	5,90E-01	5,91E-01	5,87E-01
0,875	1,79E-01	2,97E-01	4,67E-01	4,38E-01	6,08E-01	6,09E-01	6,07E-01
0,9167	1,85E-01	3,06E-01	4,80E-01	4,50E-01	6,26E-01	6,26E-01	6,26E-01
0,9583	1,90E-01	3,14E-01	4,92E-01	4,62E-01	6,43E-01	6,43E-01	6,44E-01
1	1,95E-01	3,22E-01	5,04E-01	4,73E-01	6,59E-01	6,58E-01	6,62E-01
1,083	2,05E-01	3,36E-01	5,26E-01	4,93E-01	6,89E-01	6,87E-01	6,96E-01
1,167	2,13E-01	3,49E-01	5,46E-01	5,11E-01	7,17E-01	7,12E-01	7,27E-01
1,25	2,22E-01	3,61E-01	5,63E-01	5,28E-01	7,42E-01	7,35E-01	7,57E-01
1,333	2,29E-01	3,72E-01	5,79E-01	5,42E-01	7,64E-01	7,55E-01	7,84E-01
1,417	2,36E-01	3,82E-01	5,93E-01	5,55E-01	7,85E-01	7,73E-01	8,10E-01
1,5	2,42E-01	3,91E-01	6,06E-01	5,67E-01	8,03E-01	7,89E-01	8,34E-01
1,667	2,54E-01	4,06E-01	6,27E-01	5,86E-01	8,36E-01	8,16E-01	8,77E-01
1,833	2,63E-01	4,18E-01	6,43E-01	6,01E-01	8,62E-01	8,37E-01	9,14E-01
2	2,71E-01	4,28E-01	6,56E-01	6,12E-01	8,84E-01	8,53E-01	9,47E-01
3	3,00E-01	4,58E-01	6,90E-01	6,41E-01	9,59E-01	8,99E-01	1,07E+00
4	3,11E-01	4,67E-01	6,98E-01	6,47E-01	9,88E-01	9,12E-01	1,13E+00
5	3,16E-01	4,71E-01	7,00E-01	6,48E-01	1,00E+00	9,17E-01	1,15E+00
6	3,18E-01	4,73E-01	7,01E-01	6,49E-01	1,01E+00	9,20E-01	1,16E+00
7	3,19E-01	4,73E-01	7,01E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
8	3,19E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
9	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
10	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
11	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
12	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
13	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
14	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
15	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
16	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
17	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
18	3,20E-01	4,74E-01	7,02E-01	6,49E-01	1,01E+00	9,21E-01	1,17E+00
Eff. Dosis	8,1E-10	8,3E-10	9,6E-10	8,1E-10	1,0E-09	1,1E-09	6,0E-10
Gebärmutter	1,2E-10	3,5E-10	6,8E-10	6,6E-10	9,1E-10	1,2E-09	5,0E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

K-42								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,20E-02	2,06E-02	3,30E-02	3,11E-02	1,20E-02	2,06E-02	3,30E-02	3,11E-02
0,08333	2,32E-02	3,99E-02	6,37E-02	6,01E-02	2,32E-02	3,99E-02	6,37E-02	6,01E-02
0,125	3,38E-02	5,79E-02	9,24E-02	8,71E-02	3,38E-02	5,80E-02	9,24E-02	8,71E-02
0,1667	4,37E-02	7,47E-02	1,19E-01	1,12E-01	4,38E-02	7,49E-02	1,19E-01	1,12E-01
0,2083	5,30E-02	9,05E-02	1,44E-01	1,36E-01	5,32E-02	9,07E-02	1,44E-01	1,36E-01
0,25	6,18E-02	1,05E-01	1,67E-01	1,58E-01	6,20E-02	1,06E-01	1,68E-01	1,58E-01
0,2917	7,00E-02	1,19E-01	1,89E-01	1,78E-01	7,03E-02	1,19E-01	1,90E-01	1,79E-01
0,3333	7,78E-02	1,32E-01	2,10E-01	1,98E-01	7,81E-02	1,33E-01	2,10E-01	1,98E-01
0,375	8,51E-02	1,44E-01	2,29E-01	2,16E-01	8,55E-02	1,45E-01	2,30E-01	2,16E-01
0,4167	9,19E-02	1,56E-01	2,47E-01	2,32E-01	9,24E-02	1,56E-01	2,48E-01	2,33E-01
0,4583	9,84E-02	1,66E-01	2,64E-01	2,48E-01	9,90E-02	1,67E-01	2,64E-01	2,49E-01
0,5	1,05E-01	1,77E-01	2,80E-01	2,63E-01	1,05E-01	1,77E-01	2,80E-01	2,64E-01
0,5417	1,10E-01	1,86E-01	2,94E-01	2,77E-01	1,11E-01	1,87E-01	2,95E-01	2,78E-01
0,5833	1,16E-01	1,95E-01	3,08E-01	2,90E-01	1,16E-01	1,96E-01	3,09E-01	2,91E-01
0,625	1,21E-01	2,03E-01	3,22E-01	3,02E-01	1,22E-01	2,04E-01	3,22E-01	3,03E-01
0,6667	1,26E-01	2,11E-01	3,34E-01	3,14E-01	1,26E-01	2,12E-01	3,34E-01	3,14E-01
0,7083	1,30E-01	2,19E-01	3,45E-01	3,25E-01	1,31E-01	2,19E-01	3,45E-01	3,25E-01
0,75	1,34E-01	2,26E-01	3,56E-01	3,35E-01	1,35E-01	2,26E-01	3,56E-01	3,35E-01
0,7917	1,38E-01	2,32E-01	3,67E-01	3,45E-01	1,39E-01	2,32E-01	3,66E-01	3,44E-01
0,8333	1,42E-01	2,38E-01	3,76E-01	3,54E-01	1,43E-01	2,38E-01	3,75E-01	3,52E-01
0,875	1,46E-01	2,44E-01	3,85E-01	3,62E-01	1,47E-01	2,44E-01	3,84E-01	3,61E-01
0,9167	1,49E-01	2,50E-01	3,94E-01	3,70E-01	1,50E-01	2,49E-01	3,92E-01	3,68E-01
0,9583	1,52E-01	2,55E-01	4,02E-01	3,78E-01	1,53E-01	2,54E-01	3,99E-01	3,75E-01
1	1,55E-01	2,60E-01	4,10E-01	3,85E-01	1,56E-01	2,59E-01	4,06E-01	3,82E-01
1,083	1,61E-01	2,69E-01	4,23E-01	3,98E-01	1,61E-01	2,67E-01	4,19E-01	3,93E-01
1,167	1,66E-01	2,77E-01	4,36E-01	4,09E-01	1,66E-01	2,74E-01	4,30E-01	4,03E-01
1,25	1,70E-01	2,84E-01	4,47E-01	4,20E-01	1,70E-01	2,81E-01	4,39E-01	4,12E-01
1,333	1,74E-01	2,90E-01	4,57E-01	4,29E-01	1,74E-01	2,86E-01	4,47E-01	4,20E-01
1,417	1,78E-01	2,96E-01	4,65E-01	4,37E-01	1,77E-01	2,91E-01	4,54E-01	4,26E-01
1,5	1,81E-01	3,01E-01	4,73E-01	4,44E-01	1,80E-01	2,95E-01	4,60E-01	4,31E-01
1,667	1,86E-01	3,09E-01	4,86E-01	4,56E-01	1,85E-01	3,02E-01	4,70E-01	4,40E-01
1,833	1,90E-01	3,16E-01	4,96E-01	4,66E-01	1,89E-01	3,07E-01	4,77E-01	4,47E-01
2	1,93E-01	3,21E-01	5,05E-01	4,74E-01	1,92E-01	3,11E-01	4,82E-01	4,51E-01
3	2,03E-01	3,37E-01	5,28E-01	4,96E-01	2,00E-01	3,20E-01	4,94E-01	4,62E-01
4	2,06E-01	3,40E-01	5,34E-01	5,02E-01	2,02E-01	3,22E-01	4,96E-01	4,64E-01
5	2,06E-01	3,41E-01	5,36E-01	5,03E-01	2,02E-01	3,22E-01	4,97E-01	4,64E-01
6	2,06E-01	3,42E-01	5,36E-01	5,03E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
7	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
8	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
9	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
10	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
11	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
12	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
13	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
14	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
15	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
16	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
17	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
18	2,06E-01	3,42E-01	5,37E-01	5,04E-01	2,02E-01	3,23E-01	4,97E-01	4,64E-01
Eff. Dosis	7,4E-11	1,4E-10	2,2E-10	2,1E-10	3,2E-10	3,4E-10	4,0E-10	3,4E-10
Gebärmutter	2,8E-11	4,1E-11	6,1E-11	5,6E-11	2,4E-11	6,7E-11	1,3E-10	1,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

K-42						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,20E-02	2,06E-02	3,30E-02	3,11E-02	4,05E-02	4,05E-02
0,08333	2,32E-02	3,99E-02	6,37E-02	6,01E-02	7,87E-02	7,86E-02
0,125	3,38E-02	5,80E-02	9,24E-02	8,71E-02	1,15E-01	1,15E-01
0,1667	4,38E-02	7,49E-02	1,19E-01	1,12E-01	1,49E-01	1,49E-01
0,2083	5,32E-02	9,07E-02	1,44E-01	1,36E-01	1,81E-01	1,81E-01
0,25	6,20E-02	1,06E-01	1,68E-01	1,58E-01	2,11E-01	2,11E-01
0,2917	7,03E-02	1,19E-01	1,90E-01	1,79E-01	2,40E-01	2,39E-01
0,3333	7,81E-02	1,33E-01	2,10E-01	1,98E-01	2,67E-01	2,66E-01
0,375	8,55E-02	1,45E-01	2,30E-01	2,16E-01	2,92E-01	2,92E-01
0,4167	9,25E-02	1,56E-01	2,48E-01	2,33E-01	3,16E-01	3,16E-01
0,4583	9,90E-02	1,67E-01	2,65E-01	2,49E-01	3,39E-01	3,38E-01
0,5	1,05E-01	1,77E-01	2,80E-01	2,64E-01	3,61E-01	3,60E-01
0,5417	1,11E-01	1,87E-01	2,95E-01	2,78E-01	3,81E-01	3,80E-01
0,5833	1,16E-01	1,96E-01	3,09E-01	2,91E-01	4,00E-01	3,99E-01
0,625	1,22E-01	2,04E-01	3,22E-01	3,03E-01	4,18E-01	4,17E-01
0,6667	1,26E-01	2,12E-01	3,34E-01	3,14E-01	4,35E-01	4,34E-01
0,7083	1,31E-01	2,19E-01	3,45E-01	3,25E-01	4,51E-01	4,50E-01
0,75	1,35E-01	2,26E-01	3,56E-01	3,35E-01	4,66E-01	4,65E-01
0,7917	1,39E-01	2,32E-01	3,66E-01	3,44E-01	4,81E-01	4,80E-01
0,8333	1,43E-01	2,38E-01	3,75E-01	3,52E-01	4,94E-01	4,93E-01
0,875	1,47E-01	2,44E-01	3,84E-01	3,60E-01	5,07E-01	5,06E-01
0,9167	1,50E-01	2,49E-01	3,92E-01	3,68E-01	5,19E-01	5,18E-01
0,9583	1,53E-01	2,54E-01	3,99E-01	3,75E-01	5,31E-01	5,30E-01
1	1,56E-01	2,59E-01	4,06E-01	3,81E-01	5,41E-01	5,40E-01
1,083	1,62E-01	2,67E-01	4,18E-01	3,93E-01	5,61E-01	5,60E-01
1,167	1,66E-01	2,74E-01	4,29E-01	4,02E-01	5,79E-01	5,78E-01
1,25	1,70E-01	2,80E-01	4,38E-01	4,11E-01	5,94E-01	5,94E-01
1,333	1,74E-01	2,85E-01	4,46E-01	4,18E-01	6,08E-01	6,08E-01
1,417	1,77E-01	2,90E-01	4,52E-01	4,24E-01	6,21E-01	6,20E-01
1,5	1,80E-01	2,94E-01	4,58E-01	4,29E-01	6,32E-01	6,31E-01
1,667	1,85E-01	3,00E-01	4,67E-01	4,37E-01	6,51E-01	6,50E-01
1,833	1,89E-01	3,05E-01	4,73E-01	4,43E-01	6,66E-01	6,65E-01
2	1,91E-01	3,08E-01	4,78E-01	4,47E-01	6,78E-01	6,77E-01
3	1,99E-01	3,17E-01	4,87E-01	4,55E-01	7,12E-01	7,12E-01
4	2,01E-01	3,18E-01	4,88E-01	4,56E-01	7,21E-01	7,21E-01
5	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,23E-01	7,23E-01
6	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,23E-01
7	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
8	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
9	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
10	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
11	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
12	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
13	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
14	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
15	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
16	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
17	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
18	2,01E-01	3,18E-01	4,89E-01	4,56E-01	7,24E-01	7,24E-01
Eff. Dosis	3,6E-10	3,8E-10	4,3E-10	3,6E-10	4,2E-10	1,6E-10
Gebärmutter	2,33E-11	7,3E-11	1,4E-10	1,4E-10	1,1E-10	1,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ca-47								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,52E-01	4,21E-01	6,63E-01	6,23E-01	2,60E-01	4,27E-01	6,68E-01	6,26E-01
2	4,40E-01	7,14E-01	1,11E+00	1,04E+00	4,51E-01	6,95E-01	1,05E+00	9,79E-01
3	5,82E-01	9,21E-01	1,41E+00	1,32E+00	5,88E-01	8,45E-01	1,23E+00	1,13E+00
3,5	6,42E-01	1,01E+00	1,53E+00	1,43E+00	6,44E-01	8,96E-01	1,28E+00	1,17E+00
4	6,95E-01	1,08E+00	1,64E+00	1,52E+00	6,93E-01	9,39E-01	1,32E+00	1,20E+00
5	7,85E-01	1,20E+00	1,82E+00	1,69E+00	7,78E-01	1,01E+00	1,37E+00	1,24E+00
6	8,59E-01	1,31E+00	1,96E+00	1,82E+00	8,48E-01	1,07E+00	1,41E+00	1,27E+00
7	9,21E-01	1,39E+00	2,08E+00	1,93E+00	9,07E-01	1,11E+00	1,45E+00	1,29E+00
8	9,71E-01	1,46E+00	2,18E+00	2,02E+00	9,56E-01	1,15E+00	1,48E+00	1,31E+00
9	1,01E+00	1,52E+00	2,26E+00	2,09E+00	9,98E-01	1,18E+00	1,50E+00	1,32E+00
10	1,05E+00	1,57E+00	2,33E+00	2,15E+00	1,03E+00	1,21E+00	1,52E+00	1,34E+00
11	1,08E+00	1,61E+00	2,38E+00	2,20E+00	1,06E+00	1,24E+00	1,54E+00	1,35E+00
12	1,10E+00	1,64E+00	2,43E+00	2,24E+00	1,09E+00	1,26E+00	1,55E+00	1,36E+00
13	1,12E+00	1,67E+00	2,47E+00	2,28E+00	1,11E+00	1,27E+00	1,56E+00	1,37E+00
14	1,14E+00	1,69E+00	2,50E+00	2,31E+00	1,13E+00	1,29E+00	1,57E+00	1,37E+00
15	1,15E+00	1,71E+00	2,53E+00	2,34E+00	1,14E+00	1,30E+00	1,58E+00	1,38E+00
20	1,20E+00	1,77E+00	2,62E+00	2,41E+00	1,19E+00	1,34E+00	1,61E+00	1,40E+00
30	1,22E+00	1,81E+00	2,67E+00	2,46E+00	1,22E+00	1,36E+00	1,63E+00	1,41E+00
40	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
45	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
50	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
60	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
70	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
80	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
90	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
100	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
120	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
180	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
200	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
300	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
360	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
365	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
400	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
500	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
600	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
700	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
800	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
900	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
1000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
2000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
3000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
4000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
5000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
6000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
8000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
10000	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
13500	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
14600	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
18250	1,23E+00	1,81E+00	2,68E+00	2,47E+00	1,23E+00	1,37E+00	1,63E+00	1,41E+00
Eff. Dosis	2,5E-10	3,9E-10	5,8E-10	5,4E-10	1,1E-09	8,7E-10	7,6E-10	5,6E-10
Gebärmutter	2,2E-10	3,6E-10	5,5E-10	5,1E-10	1,3E-10	2,9E-10	5,2E-10	5,0E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ca-47						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,61E-01	4,28E-01	6,68E-01	6,27E-01	8,75E-01	8,77E-01
2	4,54E-01	6,94E-01	1,05E+00	9,72E-01	1,40E+00	1,57E+00
3	5,91E-01	8,36E-01	1,21E+00	1,11E+00	1,69E+00	2,13E+00
3,5	6,46E-01	8,83E-01	1,25E+00	1,14E+00	1,80E+00	2,37E+00
4	6,96E-01	9,22E-01	1,27E+00	1,15E+00	1,89E+00	2,58E+00
5	7,81E-01	9,84E-01	1,31E+00	1,18E+00	2,04E+00	2,95E+00
6	8,52E-01	1,04E+00	1,34E+00	1,19E+00	2,16E+00	3,25E+00
7	9,11E-01	1,08E+00	1,36E+00	1,20E+00	2,26E+00	3,50E+00
8	9,61E-01	1,11E+00	1,38E+00	1,21E+00	2,35E+00	3,71E+00
9	1,00E+00	1,14E+00	1,40E+00	1,22E+00	2,42E+00	3,88E+00
10	1,04E+00	1,17E+00	1,41E+00	1,22E+00	2,47E+00	4,02E+00
11	1,07E+00	1,19E+00	1,42E+00	1,23E+00	2,52E+00	4,14E+00
12	1,10E+00	1,21E+00	1,43E+00	1,23E+00	2,56E+00	4,24E+00
13	1,12E+00	1,23E+00	1,44E+00	1,24E+00	2,59E+00	4,32E+00
14	1,14E+00	1,24E+00	1,45E+00	1,24E+00	2,62E+00	4,39E+00
15	1,15E+00	1,25E+00	1,45E+00	1,24E+00	2,65E+00	4,45E+00
20	1,21E+00	1,29E+00	1,47E+00	1,25E+00	2,72E+00	4,63E+00
30	1,24E+00	1,31E+00	1,48E+00	1,26E+00	2,76E+00	4,74E+00
40	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,76E+00
45	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
50	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
60	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
70	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
80	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
90	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
100	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
120	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
180	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
200	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
300	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
360	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
365	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
400	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
500	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
600	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
700	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
800	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
900	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
1000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
2000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
3000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
4000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
5000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
6000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
8000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
10000	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
13500	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
14600	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
18250	1,25E+00	1,32E+00	1,49E+00	1,26E+00	2,77E+00	4,77E+00
Eff. Dosis	1,3E-09	1,0E-09	8,2E-10	5,8E-10	6,9E-10	9,4E-10
Gebärmutter	1,0E-10	2,7E-10	5,1E-10	5,0E-10	8,3E-10	8,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-43								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,13E-02	1,94E-02	3,11E-02	2,93E-02	1,13E-02	1,94E-02	3,11E-02	2,93E-02
0,08333	2,07E-02	3,55E-02	5,67E-02	5,35E-02	2,07E-02	3,55E-02	5,67E-02	5,35E-02
0,125	2,85E-02	4,88E-02	7,79E-02	7,34E-02	2,85E-02	4,88E-02	7,79E-02	7,34E-02
0,1667	3,50E-02	5,98E-02	9,54E-02	8,99E-02	3,50E-02	5,98E-02	9,54E-02	8,99E-02
0,2083	4,04E-02	6,90E-02	1,10E-01	1,04E-01	4,04E-02	6,90E-02	1,10E-01	1,04E-01
0,25	4,49E-02	7,65E-02	1,22E-01	1,15E-01	4,49E-02	7,66E-02	1,22E-01	1,15E-01
0,2917	4,86E-02	8,28E-02	1,32E-01	1,24E-01	4,87E-02	8,29E-02	1,32E-01	1,24E-01
0,3333	5,17E-02	8,81E-02	1,40E-01	1,32E-01	5,18E-02	8,81E-02	1,40E-01	1,32E-01
0,375	5,43E-02	9,24E-02	1,47E-01	1,38E-01	5,44E-02	9,24E-02	1,47E-01	1,38E-01
0,4167	5,65E-02	9,60E-02	1,53E-01	1,44E-01	5,66E-02	9,60E-02	1,53E-01	1,44E-01
0,4583	5,83E-02	9,90E-02	1,57E-01	1,48E-01	5,84E-02	9,90E-02	1,57E-01	1,48E-01
0,5	5,98E-02	1,02E-01	1,61E-01	1,52E-01	5,99E-02	1,02E-01	1,61E-01	1,52E-01
0,5417	6,11E-02	1,04E-01	1,64E-01	1,55E-01	6,12E-02	1,04E-01	1,64E-01	1,55E-01
0,5833	6,21E-02	1,05E-01	1,67E-01	1,57E-01	6,22E-02	1,05E-01	1,67E-01	1,57E-01
0,625	6,30E-02	1,07E-01	1,69E-01	1,59E-01	6,31E-02	1,07E-01	1,69E-01	1,59E-01
0,6667	6,37E-02	1,08E-01	1,71E-01	1,61E-01	6,38E-02	1,08E-01	1,71E-01	1,61E-01
0,7083	6,43E-02	1,09E-01	1,73E-01	1,62E-01	6,44E-02	1,09E-01	1,73E-01	1,62E-01
0,75	6,48E-02	1,10E-01	1,74E-01	1,64E-01	6,49E-02	1,10E-01	1,74E-01	1,64E-01
0,7917	6,52E-02	1,10E-01	1,75E-01	1,65E-01	6,54E-02	1,10E-01	1,75E-01	1,65E-01
0,8333	6,56E-02	1,11E-01	1,76E-01	1,65E-01	6,57E-02	1,11E-01	1,76E-01	1,65E-01
0,875	6,59E-02	1,11E-01	1,76E-01	1,66E-01	6,60E-02	1,11E-01	1,76E-01	1,66E-01
0,9167	6,61E-02	1,12E-01	1,77E-01	1,67E-01	6,62E-02	1,12E-01	1,77E-01	1,66E-01
0,9583	6,63E-02	1,12E-01	1,78E-01	1,67E-01	6,64E-02	1,12E-01	1,77E-01	1,67E-01
1	6,65E-02	1,12E-01	1,78E-01	1,67E-01	6,66E-02	1,12E-01	1,78E-01	1,67E-01
1,083	6,67E-02	1,13E-01	1,79E-01	1,68E-01	6,69E-02	1,13E-01	1,78E-01	1,68E-01
1,167	6,69E-02	1,13E-01	1,79E-01	1,68E-01	6,70E-02	1,13E-01	1,79E-01	1,68E-01
1,25	6,70E-02	1,13E-01	1,79E-01	1,69E-01	6,72E-02	1,13E-01	1,79E-01	1,68E-01
1,333	6,71E-02	1,13E-01	1,79E-01	1,69E-01	6,72E-02	1,13E-01	1,79E-01	1,69E-01
1,417	6,72E-02	1,13E-01	1,80E-01	1,69E-01	6,73E-02	1,13E-01	1,79E-01	1,69E-01
1,5	6,72E-02	1,13E-01	1,80E-01	1,69E-01	6,73E-02	1,13E-01	1,79E-01	1,69E-01
1,667	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,13E-01	1,80E-01	1,69E-01
1,833	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
2	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
3	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
4	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
5	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
6	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
7	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
8	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
9	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
10	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
11	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
12	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
13	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
14	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
15	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
16	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
17	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
18	6,73E-02	1,14E-01	1,80E-01	1,69E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
Eff. Dosis	2,7E-11	4,5E-11	7,0E-11	6,4E-11	5,8E-11	7,3E-11	9,8E-11	8,4E-11
Gebärmutter	6,2E-12	1,2E-11	2,1E-11	2,0E-11	4,2E-12	1,3E-11	2,4E-11	2,3E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-43						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,13E-02	1,94E-02	3,11E-02	2,93E-02	3,82E-02	3,81E-02
0,08333	2,07E-02	3,55E-02	5,67E-02	5,35E-02	7,01E-02	7,00E-02
0,125	2,85E-02	4,88E-02	7,79E-02	7,34E-02	9,68E-02	9,66E-02
0,1667	3,50E-02	5,98E-02	9,54E-02	8,99E-02	1,19E-01	1,19E-01
0,2083	4,04E-02	6,90E-02	1,10E-01	1,04E-01	1,38E-01	1,37E-01
0,25	4,49E-02	7,66E-02	1,22E-01	1,15E-01	1,53E-01	1,53E-01
0,2917	4,87E-02	8,29E-02	1,32E-01	1,24E-01	1,66E-01	1,66E-01
0,3333	5,18E-02	8,81E-02	1,40E-01	1,32E-01	1,77E-01	1,77E-01
0,375	5,44E-02	9,24E-02	1,47E-01	1,38E-01	1,86E-01	1,86E-01
0,4167	5,66E-02	9,60E-02	1,53E-01	1,44E-01	1,94E-01	1,93E-01
0,4583	5,84E-02	9,90E-02	1,57E-01	1,48E-01	2,00E-01	2,00E-01
0,5	5,99E-02	1,02E-01	1,61E-01	1,52E-01	2,06E-01	2,05E-01
0,5417	6,12E-02	1,04E-01	1,64E-01	1,55E-01	2,10E-01	2,09E-01
0,5833	6,22E-02	1,05E-01	1,67E-01	1,57E-01	2,13E-01	2,13E-01
0,625	6,31E-02	1,07E-01	1,69E-01	1,59E-01	2,16E-01	2,16E-01
0,6667	6,38E-02	1,08E-01	1,71E-01	1,61E-01	2,19E-01	2,19E-01
0,7083	6,44E-02	1,09E-01	1,73E-01	1,62E-01	2,21E-01	2,21E-01
0,75	6,49E-02	1,10E-01	1,74E-01	1,64E-01	2,23E-01	2,23E-01
0,7917	6,54E-02	1,10E-01	1,75E-01	1,64E-01	2,24E-01	2,24E-01
0,8333	6,57E-02	1,11E-01	1,76E-01	1,65E-01	2,25E-01	2,26E-01
0,875	6,60E-02	1,11E-01	1,76E-01	1,66E-01	2,26E-01	2,27E-01
0,9167	6,62E-02	1,12E-01	1,77E-01	1,66E-01	2,27E-01	2,28E-01
0,9583	6,64E-02	1,12E-01	1,77E-01	1,67E-01	2,27E-01	2,28E-01
1	6,66E-02	1,12E-01	1,78E-01	1,67E-01	2,28E-01	2,29E-01
1,083	6,69E-02	1,13E-01	1,78E-01	1,68E-01	2,29E-01	2,30E-01
1,167	6,70E-02	1,13E-01	1,79E-01	1,68E-01	2,29E-01	2,31E-01
1,25	6,72E-02	1,13E-01	1,79E-01	1,68E-01	2,29E-01	2,31E-01
1,333	6,73E-02	1,13E-01	1,79E-01	1,69E-01	2,30E-01	2,31E-01
1,417	6,73E-02	1,13E-01	1,79E-01	1,69E-01	2,30E-01	2,32E-01
1,5	6,74E-02	1,13E-01	1,79E-01	1,69E-01	2,30E-01	2,32E-01
1,667	6,74E-02	1,13E-01	1,79E-01	1,69E-01	2,30E-01	2,32E-01
1,833	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
2	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
3	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
4	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
5	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
6	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
7	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
8	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
9	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
10	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
11	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
12	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
13	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
14	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
15	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
16	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
17	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
18	6,74E-02	1,14E-01	1,80E-01	1,69E-01	2,30E-01	2,32E-01
Eff. Dosis	6,1E-11	7,5E-11	1,0E-10	8,5E-11	1,3E-10	6,7E-11
Gebärmutter	3,91E-12	1,2E-11	2,4E-11	2,3E-11	6,5E-11	2,0E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-44								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,13E-02	1,95E-02	3,11E-02	2,94E-02	1,13E-02	1,95E-02	3,11E-02	2,94E-02
0,08333	2,07E-02	3,56E-02	5,69E-02	5,36E-02	2,07E-02	3,56E-02	5,69E-02	5,36E-02
0,125	2,86E-02	4,90E-02	7,82E-02	7,38E-02	2,86E-02	4,91E-02	7,82E-02	7,38E-02
0,1667	3,52E-02	6,02E-02	9,60E-02	9,05E-02	3,52E-02	6,02E-02	9,60E-02	9,05E-02
0,2083	4,07E-02	6,95E-02	1,11E-01	1,04E-01	4,07E-02	6,95E-02	1,11E-01	1,04E-01
0,25	4,53E-02	7,72E-02	1,23E-01	1,16E-01	4,53E-02	7,72E-02	1,23E-01	1,16E-01
0,2917	4,91E-02	8,37E-02	1,33E-01	1,25E-01	4,91E-02	8,37E-02	1,33E-01	1,25E-01
0,3333	5,23E-02	8,90E-02	1,42E-01	1,33E-01	5,24E-02	8,90E-02	1,42E-01	1,33E-01
0,375	5,50E-02	9,35E-02	1,49E-01	1,40E-01	5,51E-02	9,35E-02	1,49E-01	1,40E-01
0,4167	5,72E-02	9,72E-02	1,54E-01	1,45E-01	5,73E-02	9,72E-02	1,54E-01	1,45E-01
0,4583	5,91E-02	1,00E-01	1,59E-01	1,50E-01	5,92E-02	1,00E-01	1,59E-01	1,50E-01
0,5	6,07E-02	1,03E-01	1,63E-01	1,54E-01	6,08E-02	1,03E-01	1,63E-01	1,54E-01
0,5417	6,20E-02	1,05E-01	1,67E-01	1,57E-01	6,21E-02	1,05E-01	1,67E-01	1,57E-01
0,5833	6,31E-02	1,07E-01	1,70E-01	1,60E-01	6,32E-02	1,07E-01	1,70E-01	1,60E-01
0,625	6,40E-02	1,08E-01	1,72E-01	1,62E-01	6,41E-02	1,08E-01	1,72E-01	1,62E-01
0,6667	6,48E-02	1,10E-01	1,74E-01	1,64E-01	6,49E-02	1,10E-01	1,74E-01	1,64E-01
0,7083	6,54E-02	1,11E-01	1,75E-01	1,65E-01	6,55E-02	1,11E-01	1,75E-01	1,65E-01
0,75	6,59E-02	1,12E-01	1,77E-01	1,66E-01	6,61E-02	1,12E-01	1,77E-01	1,66E-01
0,7917	6,64E-02	1,12E-01	1,78E-01	1,67E-01	6,65E-02	1,12E-01	1,78E-01	1,67E-01
0,8333	6,67E-02	1,13E-01	1,79E-01	1,68E-01	6,69E-02	1,13E-01	1,79E-01	1,68E-01
0,875	6,71E-02	1,13E-01	1,80E-01	1,69E-01	6,72E-02	1,13E-01	1,79E-01	1,69E-01
0,9167	6,73E-02	1,14E-01	1,80E-01	1,70E-01	6,74E-02	1,14E-01	1,80E-01	1,69E-01
0,9583	6,75E-02	1,14E-01	1,81E-01	1,70E-01	6,77E-02	1,14E-01	1,81E-01	1,70E-01
1	6,77E-02	1,14E-01	1,81E-01	1,70E-01	6,79E-02	1,14E-01	1,81E-01	1,70E-01
1,083	6,80E-02	1,15E-01	1,82E-01	1,71E-01	6,81E-02	1,15E-01	1,82E-01	1,71E-01
1,167	6,82E-02	1,15E-01	1,82E-01	1,71E-01	6,83E-02	1,15E-01	1,82E-01	1,71E-01
1,25	6,83E-02	1,15E-01	1,83E-01	1,72E-01	6,85E-02	1,15E-01	1,82E-01	1,72E-01
1,333	6,84E-02	1,15E-01	1,83E-01	1,72E-01	6,86E-02	1,15E-01	1,83E-01	1,72E-01
1,417	6,85E-02	1,16E-01	1,83E-01	1,72E-01	6,86E-02	1,16E-01	1,83E-01	1,72E-01
1,5	6,85E-02	1,16E-01	1,83E-01	1,72E-01	6,87E-02	1,16E-01	1,83E-01	1,72E-01
1,667	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,87E-02	1,16E-01	1,83E-01	1,72E-01
1,833	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,87E-02	1,16E-01	1,83E-01	1,72E-01
2	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
3	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
4	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
5	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
6	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
7	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
8	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
9	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
10	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
11	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
12	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
13	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
14	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
15	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
16	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
17	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
18	6,86E-02	1,16E-01	1,83E-01	1,72E-01	6,88E-02	1,16E-01	1,83E-01	1,72E-01
Eff. Dosis	4,4E-11	7,2E-11	1,1E-10	1,0E-10	8,5E-11	1,1E-10	1,5E-10	1,3E-10
Gebärmutter	1,2E-11	2,5E-11	4,3E-11	4,1E-11	8,7E-12	2,6E-11	5,0E-11	4,9E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-44						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,13E-02	1,95E-02	3,11E-02	2,94E-02	3,82E-02	3,82E-02
0,08333	2,07E-02	3,56E-02	5,69E-02	5,36E-02	7,03E-02	7,02E-02
0,125	2,86E-02	4,91E-02	7,82E-02	7,38E-02	9,72E-02	9,71E-02
0,1667	3,52E-02	6,02E-02	9,60E-02	9,05E-02	1,20E-01	1,20E-01
0,2083	4,07E-02	6,95E-02	1,11E-01	1,04E-01	1,39E-01	1,39E-01
0,25	4,53E-02	7,72E-02	1,23E-01	1,16E-01	1,55E-01	1,54E-01
0,2917	4,91E-02	8,37E-02	1,33E-01	1,25E-01	1,68E-01	1,68E-01
0,3333	5,24E-02	8,90E-02	1,42E-01	1,33E-01	1,79E-01	1,79E-01
0,375	5,51E-02	9,35E-02	1,49E-01	1,40E-01	1,89E-01	1,88E-01
0,4167	5,73E-02	9,72E-02	1,54E-01	1,45E-01	1,96E-01	1,96E-01
0,4583	5,92E-02	1,00E-01	1,59E-01	1,50E-01	2,03E-01	2,02E-01
0,5	6,08E-02	1,03E-01	1,63E-01	1,54E-01	2,08E-01	2,08E-01
0,5417	6,21E-02	1,05E-01	1,67E-01	1,57E-01	2,13E-01	2,13E-01
0,5833	6,32E-02	1,07E-01	1,70E-01	1,60E-01	2,17E-01	2,17E-01
0,625	6,41E-02	1,08E-01	1,72E-01	1,62E-01	2,20E-01	2,20E-01
0,6667	6,49E-02	1,10E-01	1,74E-01	1,64E-01	2,22E-01	2,22E-01
0,7083	6,55E-02	1,11E-01	1,75E-01	1,65E-01	2,25E-01	2,25E-01
0,75	6,61E-02	1,12E-01	1,77E-01	1,66E-01	2,26E-01	2,27E-01
0,7917	6,65E-02	1,12E-01	1,78E-01	1,67E-01	2,28E-01	2,28E-01
0,8333	6,69E-02	1,13E-01	1,79E-01	1,68E-01	2,29E-01	2,30E-01
0,875	6,72E-02	1,13E-01	1,79E-01	1,69E-01	2,30E-01	2,31E-01
0,9167	6,75E-02	1,14E-01	1,80E-01	1,69E-01	2,31E-01	2,32E-01
0,9583	6,77E-02	1,14E-01	1,81E-01	1,70E-01	2,32E-01	2,33E-01
1	6,79E-02	1,14E-01	1,81E-01	1,70E-01	2,32E-01	2,33E-01
1,083	6,81E-02	1,15E-01	1,82E-01	1,71E-01	2,33E-01	2,34E-01
1,167	6,83E-02	1,15E-01	1,82E-01	1,71E-01	2,33E-01	2,35E-01
1,25	6,85E-02	1,15E-01	1,82E-01	1,72E-01	2,34E-01	2,36E-01
1,333	6,86E-02	1,15E-01	1,83E-01	1,72E-01	2,34E-01	2,36E-01
1,417	6,86E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,36E-01
1,5	6,87E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,36E-01
1,667	6,87E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
1,833	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
2	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
3	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
4	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
5	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
6	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
7	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
8	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
9	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
10	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
11	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
12	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
13	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
14	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
15	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
16	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
17	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
18	6,88E-02	1,16E-01	1,83E-01	1,72E-01	2,34E-01	2,37E-01
Eff. Dosis	8,8E-11	1,1E-10	1,5E-10	1,3E-10	2,3E-10	1,2E-10
Gebärmutter	8,25E-12	2,6E-11	5,0E-11	4,9E-11	1,3E-10	3,5E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-46

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,79E-01	4,59E-01	7,19E-01	6,74E-01	2,80E-01	4,58E-01	7,16E-01	6,71E-01
2	5,24E-01	8,12E-01	1,23E+00	1,15E+00	5,18E-01	7,87E-01	1,18E+00	1,10E+00
3	7,38E-01	1,07E+00	1,56E+00	1,44E+00	7,15E-01	9,91E-01	1,41E+00	1,29E+00
3,5	8,38E-01	1,18E+00	1,69E+00	1,55E+00	8,04E-01	1,07E+00	1,48E+00	1,34E+00
4	9,36E-01	1,28E+00	1,81E+00	1,64E+00	8,90E-01	1,13E+00	1,52E+00	1,37E+00
5	1,13E+00	1,47E+00	2,02E+00	1,82E+00	1,05E+00	1,26E+00	1,60E+00	1,41E+00
6	1,31E+00	1,66E+00	2,22E+00	1,98E+00	1,21E+00	1,37E+00	1,66E+00	1,45E+00
7	1,49E+00	1,84E+00	2,41E+00	2,14E+00	1,37E+00	1,48E+00	1,72E+00	1,48E+00
8	1,67E+00	2,02E+00	2,60E+00	2,29E+00	1,52E+00	1,59E+00	1,78E+00	1,51E+00
9	1,85E+00	2,19E+00	2,79E+00	2,45E+00	1,67E+00	1,69E+00	1,84E+00	1,53E+00
10	2,02E+00	2,37E+00	2,97E+00	2,60E+00	1,81E+00	1,80E+00	1,89E+00	1,56E+00
11	2,19E+00	2,54E+00	3,15E+00	2,75E+00	1,95E+00	1,90E+00	1,95E+00	1,59E+00
12	2,36E+00	2,70E+00	3,33E+00	2,89E+00	2,09E+00	2,00E+00	2,00E+00	1,62E+00
13	2,53E+00	2,87E+00	3,51E+00	3,04E+00	2,23E+00	2,10E+00	2,06E+00	1,64E+00
14	2,69E+00	3,03E+00	3,68E+00	3,18E+00	2,37E+00	2,20E+00	2,11E+00	1,67E+00
15	2,86E+00	3,19E+00	3,86E+00	3,32E+00	2,50E+00	2,29E+00	2,16E+00	1,69E+00
20	3,64E+00	3,98E+00	4,69E+00	4,01E+00	3,15E+00	2,76E+00	2,41E+00	1,81E+00
30	5,10E+00	5,43E+00	6,24E+00	5,27E+00	4,34E+00	3,62E+00	2,87E+00	2,04E+00
40	6,43E+00	6,74E+00	7,64E+00	6,42E+00	5,41E+00	4,40E+00	3,29E+00	2,24E+00
45	7,05E+00	7,36E+00	8,30E+00	6,96E+00	5,91E+00	4,76E+00	3,48E+00	2,34E+00
50	7,64E+00	7,95E+00	8,93E+00	7,47E+00	6,38E+00	5,10E+00	3,66E+00	2,43E+00
60	8,75E+00	9,05E+00	1,01E+01	8,43E+00	7,26E+00	5,73E+00	4,00E+00	2,59E+00
70	9,76E+00	1,01E+01	1,12E+01	9,31E+00	8,05E+00	6,30E+00	4,31E+00	2,74E+00
80	1,07E+01	1,10E+01	1,22E+01	1,01E+01	8,76E+00	6,82E+00	4,59E+00	2,88E+00
90	1,15E+01	1,18E+01	1,31E+01	1,09E+01	9,41E+00	7,29E+00	4,84E+00	3,00E+00
100	1,23E+01	1,26E+01	1,39E+01	1,15E+01	1,00E+01	7,71E+00	5,07E+00	3,12E+00
120	1,37E+01	1,39E+01	1,53E+01	1,27E+01	1,10E+01	8,45E+00	5,46E+00	3,31E+00
180	1,66E+01	1,68E+01	1,84E+01	1,52E+01	1,31E+01	9,97E+00	6,28E+00	3,72E+00
200	1,72E+01	1,75E+01	1,91E+01	1,58E+01	1,36E+01	1,03E+01	6,47E+00	3,81E+00
300	1,93E+01	1,95E+01	2,13E+01	1,76E+01	1,50E+01	1,13E+01	7,02E+00	4,08E+00
360	1,99E+01	2,01E+01	2,19E+01	1,81E+01	1,54E+01	1,16E+01	7,18E+00	4,16E+00
365	1,99E+01	2,01E+01	2,19E+01	1,81E+01	1,54E+01	1,16E+01	7,19E+00	4,17E+00
400	2,01E+01	2,03E+01	2,22E+01	1,83E+01	1,56E+01	1,18E+01	7,24E+00	4,19E+00
500	2,05E+01	2,07E+01	2,25E+01	1,86E+01	1,58E+01	1,19E+01	7,34E+00	4,24E+00
600	2,06E+01	2,09E+01	2,27E+01	1,87E+01	1,59E+01	1,20E+01	7,38E+00	4,26E+00
700	2,07E+01	2,09E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,39E+00	4,27E+00
800	2,07E+01	2,09E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
900	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
1000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
2000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
3000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
4000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
5000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
6000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
8000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
10000	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
13500	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
14600	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
18250	2,07E+01	2,10E+01	2,28E+01	1,88E+01	1,60E+01	1,20E+01	7,40E+00	4,27E+00
Eff. Dosis	4,2E-09	4,3E-09	4,7E-09	3,9E-09	6,2E-09	4,6E-09	2,9E-09	1,7E-09
Gebärmutter	3,1E-09	3,4E-09	4,0E-09	3,4E-09	1,4E-09	1,5E-09	1,6E-09	1,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-46						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,58E-01	7,16E-01	6,71E-01	9,38E-01	9,85E-01
2	5,19E-01	7,87E-01	1,18E+00	1,10E+00	1,47E+00	1,95E+00
3	7,15E-01	9,89E-01	1,41E+00	1,29E+00	1,64E+00	2,90E+00
3,5	8,04E-01	1,06E+00	1,47E+00	1,33E+00	1,67E+00	3,37E+00
4	8,89E-01	1,13E+00	1,52E+00	1,36E+00	1,69E+00	3,84E+00
5	1,05E+00	1,25E+00	1,59E+00	1,40E+00	1,70E+00	4,75E+00
6	1,21E+00	1,36E+00	1,65E+00	1,43E+00	1,70E+00	5,65E+00
7	1,36E+00	1,47E+00	1,70E+00	1,46E+00	1,70E+00	6,54E+00
8	1,51E+00	1,57E+00	1,76E+00	1,48E+00	1,70E+00	7,41E+00
9	1,66E+00	1,68E+00	1,81E+00	1,51E+00	1,71E+00	8,26E+00
10	1,80E+00	1,78E+00	1,86E+00	1,53E+00	1,71E+00	9,11E+00
11	1,94E+00	1,88E+00	1,91E+00	1,55E+00	1,71E+00	9,94E+00
12	2,08E+00	1,98E+00	1,96E+00	1,58E+00	1,71E+00	1,08E+01
13	2,21E+00	2,07E+00	2,01E+00	1,60E+00	1,71E+00	1,16E+01
14	2,35E+00	2,17E+00	2,06E+00	1,62E+00	1,71E+00	1,24E+01
15	2,48E+00	2,26E+00	2,11E+00	1,64E+00	1,71E+00	1,32E+01
20	3,12E+00	2,72E+00	2,34E+00	1,75E+00	1,71E+00	1,70E+01
30	4,29E+00	3,56E+00	2,76E+00	1,94E+00	1,72E+00	2,41E+01
40	5,34E+00	4,32E+00	3,15E+00	2,11E+00	1,73E+00	3,05E+01
45	5,83E+00	4,67E+00	3,32E+00	2,19E+00	1,73E+00	3,35E+01
50	6,29E+00	5,01E+00	3,49E+00	2,27E+00	1,73E+00	3,64E+01
60	7,15E+00	5,62E+00	3,80E+00	2,41E+00	1,74E+00	4,18E+01
70	7,93E+00	6,18E+00	4,09E+00	2,54E+00	1,74E+00	4,67E+01
80	8,63E+00	6,69E+00	4,34E+00	2,66E+00	1,75E+00	5,12E+01
90	9,26E+00	7,14E+00	4,57E+00	2,76E+00	1,75E+00	5,54E+01
100	9,84E+00	7,55E+00	4,78E+00	2,85E+00	1,76E+00	5,91E+01
120	1,08E+01	8,26E+00	5,14E+00	3,02E+00	1,76E+00	6,57E+01
180	1,28E+01	9,71E+00	5,87E+00	3,35E+00	1,78E+00	7,98E+01
200	1,33E+01	1,00E+01	6,03E+00	3,42E+00	1,78E+00	8,30E+01
300	1,46E+01	1,10E+01	6,50E+00	3,64E+00	1,79E+00	9,29E+01
360	1,49E+01	1,12E+01	6,62E+00	3,69E+00	1,79E+00	9,58E+01
365	1,49E+01	1,12E+01	6,63E+00	3,70E+00	1,79E+00	9,60E+01
400	1,51E+01	1,13E+01	6,68E+00	3,72E+00	1,79E+00	9,71E+01
500	1,52E+01	1,14E+01	6,75E+00	3,75E+00	1,80E+00	9,88E+01
600	1,53E+01	1,15E+01	6,78E+00	3,76E+00	1,80E+00	9,96E+01
700	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	9,99E+01
800	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
900	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
1000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
2000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
3000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
4000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
5000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
6000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
8000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
10000	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
13500	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
14600	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
18250	1,54E+01	1,15E+01	6,79E+00	3,77E+00	1,80E+00	1,00E+02
Eff. Dosis	8,3E-09	6,1E-09	3,6E-09	2,0E-09	7,5E-10	2,0E-08
Gebärmutter	4,41E-10	7,7E-10	1,2E-09	1,2E-09	1,9E-09	1,5E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-47								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,53E-01	4,18E-01	6,55E-01	6,14E-01	2,54E-01	4,17E-01	6,52E-01	6,11E-01
2	4,36E-01	6,82E-01	1,04E+00	9,68E-01	4,32E-01	6,63E-01	1,00E+00	9,31E-01
3	5,66E-01	8,39E-01	1,24E+00	1,15E+00	5,52E-01	7,88E-01	1,14E+00	1,05E+00
3,5	6,19E-01	8,96E-01	1,31E+00	1,20E+00	5,99E-01	8,28E-01	1,18E+00	1,08E+00
4	6,65E-01	9,44E-01	1,36E+00	1,25E+00	6,40E-01	8,60E-01	1,20E+00	1,09E+00
5	7,43E-01	1,02E+00	1,45E+00	1,32E+00	7,07E-01	9,10E-01	1,23E+00	1,11E+00
6	8,05E-01	1,09E+00	1,52E+00	1,38E+00	7,60E-01	9,48E-01	1,25E+00	1,12E+00
7	8,55E-01	1,14E+00	1,57E+00	1,42E+00	8,02E-01	9,78E-01	1,27E+00	1,13E+00
8	8,96E-01	1,18E+00	1,61E+00	1,45E+00	8,36E-01	1,00E+00	1,28E+00	1,14E+00
9	9,28E-01	1,21E+00	1,65E+00	1,48E+00	8,64E-01	1,02E+00	1,29E+00	1,14E+00
10	9,55E-01	1,23E+00	1,68E+00	1,51E+00	8,86E-01	1,04E+00	1,30E+00	1,14E+00
11	9,76E-01	1,26E+00	1,70E+00	1,52E+00	9,03E-01	1,05E+00	1,31E+00	1,15E+00
12	9,93E-01	1,27E+00	1,72E+00	1,54E+00	9,18E-01	1,06E+00	1,31E+00	1,15E+00
13	1,01E+00	1,29E+00	1,73E+00	1,55E+00	9,29E-01	1,07E+00	1,32E+00	1,15E+00
14	1,02E+00	1,30E+00	1,74E+00	1,56E+00	9,39E-01	1,08E+00	1,32E+00	1,15E+00
15	1,03E+00	1,31E+00	1,75E+00	1,57E+00	9,46E-01	1,08E+00	1,32E+00	1,16E+00
20	1,05E+00	1,33E+00	1,78E+00	1,59E+00	9,67E-01	1,10E+00	1,33E+00	1,16E+00
30	1,07E+00	1,34E+00	1,79E+00	1,60E+00	9,77E-01	1,10E+00	1,34E+00	1,16E+00
40	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
45	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
50	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
60	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
70	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
80	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
90	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
100	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
120	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
180	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
200	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
300	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
360	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
365	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
400	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
500	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
600	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
700	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
800	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
900	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
1000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
2000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
3000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
4000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
5000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
6000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
8000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
10000	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
13500	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
14600	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
18250	1,07E+00	1,35E+00	1,79E+00	1,60E+00	9,78E-01	1,10E+00	1,34E+00	1,16E+00
Eff. Dosis	6,4E-11	8,1E-11	1,1E-10	9,5E-11	3,3E-10	2,4E-10	2,0E-10	1,4E-10
Gebärmutter	3,2E-11	4,6E-11	6,8E-11	6,3E-11	1,5E-11	3,3E-11	5,8E-11	5,6E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sc-47						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,54E-01	4,17E-01	6,52E-01	6,11E-01	8,53E-01	8,93E-01
2	4,32E-01	6,63E-01	1,00E+00	9,30E-01	1,25E+00	1,61E+00
3	5,52E-01	7,87E-01	1,14E+00	1,05E+00	1,36E+00	2,19E+00
3,5	5,99E-01	8,27E-01	1,17E+00	1,07E+00	1,38E+00	2,44E+00
4	6,39E-01	8,58E-01	1,20E+00	1,09E+00	1,39E+00	2,66E+00
5	7,06E-01	9,07E-01	1,22E+00	1,10E+00	1,39E+00	3,03E+00
6	7,59E-01	9,44E-01	1,24E+00	1,11E+00	1,39E+00	3,33E+00
7	8,00E-01	9,74E-01	1,26E+00	1,12E+00	1,39E+00	3,58E+00
8	8,34E-01	9,97E-01	1,27E+00	1,13E+00	1,39E+00	3,77E+00
9	8,61E-01	1,02E+00	1,28E+00	1,13E+00	1,39E+00	3,93E+00
10	8,83E-01	1,03E+00	1,29E+00	1,13E+00	1,39E+00	4,06E+00
11	9,00E-01	1,04E+00	1,30E+00	1,14E+00	1,39E+00	4,16E+00
12	9,14E-01	1,05E+00	1,30E+00	1,14E+00	1,39E+00	4,25E+00
13	9,25E-01	1,06E+00	1,31E+00	1,14E+00	1,39E+00	4,31E+00
14	9,34E-01	1,07E+00	1,31E+00	1,14E+00	1,39E+00	4,37E+00
15	9,42E-01	1,07E+00	1,31E+00	1,14E+00	1,39E+00	4,41E+00
20	9,62E-01	1,09E+00	1,32E+00	1,15E+00	1,39E+00	4,53E+00
30	9,72E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,59E+00
40	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
45	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
50	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
60	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
70	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
80	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
90	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
100	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
120	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
180	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
200	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
300	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
360	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
365	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
400	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
500	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
600	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
700	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
800	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
900	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
1000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
2000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
3000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
4000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
5000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
6000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
8000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
10000	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
13500	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
14600	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
18250	9,73E-01	1,10E+00	1,32E+00	1,15E+00	1,39E+00	4,60E+00
Eff. Dosis	3,9E-10	2,7E-10	2,3E-10	1,5E-10	6,6E-11	2,5E-10
Gebärmutter	1,04E-11	3,0E-11	5,6E-11	5,5E-11	9,5E-11	1,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cr-51								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,63E-01	4,43E-01	7,01E-01	6,60E-01	2,76E-01	4,54E-01	7,09E-01	6,65E-01
2	4,70E-01	7,57E-01	1,17E+00	1,10E+00	5,04E-01	7,71E-01	1,16E+00	1,08E+00
3	6,33E-01	9,63E-01	1,45E+00	1,34E+00	6,85E-01	9,61E-01	1,38E+00	1,26E+00
3,5	7,03E-01	1,04E+00	1,54E+00	1,43E+00	7,65E-01	1,03E+00	1,44E+00	1,31E+00
4	7,70E-01	1,11E+00	1,63E+00	1,50E+00	8,41E-01	1,09E+00	1,48E+00	1,34E+00
5	8,93E-01	1,24E+00	1,77E+00	1,61E+00	9,84E-01	1,20E+00	1,55E+00	1,38E+00
6	1,01E+00	1,36E+00	1,89E+00	1,72E+00	1,12E+00	1,29E+00	1,60E+00	1,40E+00
7	1,11E+00	1,46E+00	2,01E+00	1,81E+00	1,25E+00	1,38E+00	1,65E+00	1,43E+00
8	1,21E+00	1,56E+00	2,12E+00	1,90E+00	1,37E+00	1,47E+00	1,70E+00	1,45E+00
9	1,31E+00	1,66E+00	2,22E+00	1,99E+00	1,48E+00	1,55E+00	1,74E+00	1,47E+00
10	1,40E+00	1,75E+00	2,32E+00	2,07E+00	1,60E+00	1,63E+00	1,79E+00	1,49E+00
11	1,48E+00	1,83E+00	2,41E+00	2,14E+00	1,70E+00	1,71E+00	1,83E+00	1,51E+00
12	1,56E+00	1,91E+00	2,49E+00	2,21E+00	1,81E+00	1,79E+00	1,87E+00	1,53E+00
13	1,64E+00	1,99E+00	2,58E+00	2,28E+00	1,91E+00	1,86E+00	1,90E+00	1,55E+00
14	1,71E+00	2,06E+00	2,66E+00	2,34E+00	2,00E+00	1,93E+00	1,94E+00	1,57E+00
15	1,78E+00	2,13E+00	2,73E+00	2,40E+00	2,10E+00	1,99E+00	1,98E+00	1,59E+00
20	2,08E+00	2,43E+00	3,05E+00	2,67E+00	2,52E+00	2,30E+00	2,14E+00	1,66E+00
30	2,52E+00	2,88E+00	3,53E+00	3,06E+00	3,18E+00	2,78E+00	2,39E+00	1,78E+00
40	2,84E+00	3,19E+00	3,87E+00	3,34E+00	3,67E+00	3,13E+00	2,57E+00	1,87E+00
45	2,96E+00	3,31E+00	4,00E+00	3,45E+00	3,87E+00	3,27E+00	2,65E+00	1,91E+00
50	3,07E+00	3,42E+00	4,12E+00	3,54E+00	4,04E+00	3,39E+00	2,71E+00	1,94E+00
60	3,23E+00	3,59E+00	4,30E+00	3,69E+00	4,30E+00	3,59E+00	2,81E+00	1,98E+00
70	3,36E+00	3,71E+00	4,43E+00	3,81E+00	4,50E+00	3,73E+00	2,89E+00	2,02E+00
80	3,45E+00	3,81E+00	4,54E+00	3,89E+00	4,65E+00	3,84E+00	2,94E+00	2,05E+00
90	3,52E+00	3,88E+00	4,61E+00	3,95E+00	4,76E+00	3,92E+00	2,98E+00	2,07E+00
100	3,58E+00	3,93E+00	4,67E+00	4,00E+00	4,84E+00	3,98E+00	3,01E+00	2,08E+00
120	3,65E+00	4,00E+00	4,74E+00	4,06E+00	4,95E+00	4,05E+00	3,05E+00	2,10E+00
180	3,72E+00	4,07E+00	4,82E+00	4,12E+00	5,06E+00	4,13E+00	3,10E+00	2,12E+00
200	3,73E+00	4,08E+00	4,83E+00	4,13E+00	5,07E+00	4,14E+00	3,10E+00	2,12E+00
300	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
360	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
365	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
400	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
500	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
600	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
700	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
800	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
900	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
1000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
2000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
3000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
4000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
5000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
6000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
8000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
10000	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
13500	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
14600	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
18250	3,74E+00	4,09E+00	4,84E+00	4,14E+00	5,08E+00	4,15E+00	3,10E+00	2,12E+00
Eff. Dosis	2,1E-11	2,3E-11	2,8E-11	2,4E-11	4,5E-11	3,5E-11	2,4E-11	1,6E-11
Gebärmutter	1,1E-11	1,6E-11	2,4E-11	2,2E-11	6,6E-12	1,3E-11	2,1E-11	2,0E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cr-51						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,78E-01	4,55E-01	7,10E-01	6,65E-01	9,30E-01	9,06E-01
2	5,10E-01	7,75E-01	1,16E+00	1,08E+00	1,45E+00	1,69E+00
3	6,98E-01	9,69E-01	1,38E+00	1,26E+00	1,62E+00	2,39E+00
3,5	7,82E-01	1,04E+00	1,44E+00	1,31E+00	1,65E+00	2,71E+00
4	8,62E-01	1,10E+00	1,48E+00	1,34E+00	1,67E+00	3,02E+00
5	1,01E+00	1,21E+00	1,55E+00	1,37E+00	1,69E+00	3,61E+00
6	1,16E+00	1,31E+00	1,60E+00	1,40E+00	1,69E+00	4,16E+00
7	1,29E+00	1,41E+00	1,65E+00	1,42E+00	1,70E+00	4,68E+00
8	1,42E+00	1,50E+00	1,70E+00	1,44E+00	1,70E+00	5,17E+00
9	1,55E+00	1,59E+00	1,75E+00	1,46E+00	1,71E+00	5,62E+00
10	1,67E+00	1,68E+00	1,79E+00	1,48E+00	1,71E+00	6,05E+00
11	1,79E+00	1,76E+00	1,83E+00	1,50E+00	1,72E+00	6,46E+00
12	1,90E+00	1,84E+00	1,87E+00	1,52E+00	1,72E+00	6,85E+00
13	2,01E+00	1,92E+00	1,91E+00	1,54E+00	1,72E+00	7,22E+00
14	2,12E+00	2,00E+00	1,95E+00	1,56E+00	1,73E+00	7,57E+00
15	2,22E+00	2,07E+00	1,99E+00	1,58E+00	1,73E+00	7,90E+00
20	2,69E+00	2,41E+00	2,16E+00	1,65E+00	1,75E+00	9,35E+00
30	3,46E+00	2,96E+00	2,44E+00	1,78E+00	1,77E+00	1,15E+01
40	4,04E+00	3,38E+00	2,65E+00	1,87E+00	1,78E+00	1,30E+01
45	4,28E+00	3,55E+00	2,74E+00	1,91E+00	1,79E+00	1,36E+01
50	4,48E+00	3,70E+00	2,81E+00	1,95E+00	1,79E+00	1,41E+01
60	4,82E+00	3,94E+00	2,93E+00	2,00E+00	1,80E+00	1,49E+01
70	5,08E+00	4,13E+00	3,03E+00	2,04E+00	1,81E+00	1,56E+01
80	5,28E+00	4,27E+00	3,10E+00	2,08E+00	1,81E+00	1,60E+01
90	5,43E+00	4,38E+00	3,15E+00	2,10E+00	1,82E+00	1,64E+01
100	5,55E+00	4,46E+00	3,20E+00	2,12E+00	1,82E+00	1,66E+01
120	5,70E+00	4,57E+00	3,25E+00	2,15E+00	1,82E+00	1,69E+01
180	5,88E+00	4,70E+00	3,31E+00	2,18E+00	1,82E+00	1,73E+01
200	5,90E+00	4,71E+00	3,32E+00	2,18E+00	1,83E+00	1,73E+01
300	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
360	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
365	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
400	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
500	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
600	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
700	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
800	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
900	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
1000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
2000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
3000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
4000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
5000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
6000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
8000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
10000	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
13500	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
14600	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
18250	5,92E+00	4,73E+00	3,33E+00	2,18E+00	1,83E+00	1,74E+01
Eff. Dosis	5,7E-11	4,4E-11	2,8E-11	1,7E-11	1,3E-11	9,7E-11
Gebärmutter	4,74E-12	1,1E-11	2,1E-11	2,0E-11	3,3E-11	4,2E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mn-54								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,62E-01	7,22E-01	6,77E-01	2,81E-01	4,60E-01	7,18E-01	6,73E-01
2	5,26E-01	8,19E-01	1,25E+00	1,16E+00	5,21E-01	7,92E-01	1,19E+00	1,10E+00
3	7,35E-01	1,08E+00	1,59E+00	1,46E+00	7,21E-01	1,00E+00	1,42E+00	1,30E+00
3,5	8,30E-01	1,18E+00	1,72E+00	1,57E+00	8,10E-01	1,08E+00	1,49E+00	1,35E+00
4	9,20E-01	1,28E+00	1,83E+00	1,67E+00	8,97E-01	1,15E+00	1,54E+00	1,39E+00
5	1,09E+00	1,46E+00	2,04E+00	1,85E+00	1,06E+00	1,27E+00	1,62E+00	1,44E+00
6	1,26E+00	1,63E+00	2,23E+00	2,01E+00	1,22E+00	1,39E+00	1,69E+00	1,47E+00
7	1,41E+00	1,80E+00	2,41E+00	2,16E+00	1,38E+00	1,50E+00	1,76E+00	1,51E+00
8	1,56E+00	1,95E+00	2,58E+00	2,30E+00	1,53E+00	1,61E+00	1,82E+00	1,54E+00
9	1,70E+00	2,10E+00	2,75E+00	2,44E+00	1,67E+00	1,72E+00	1,88E+00	1,57E+00
10	1,84E+00	2,24E+00	2,91E+00	2,58E+00	1,82E+00	1,82E+00	1,94E+00	1,60E+00
11	1,98E+00	2,38E+00	3,06E+00	2,70E+00	1,96E+00	1,92E+00	2,00E+00	1,63E+00
12	2,11E+00	2,51E+00	3,21E+00	2,83E+00	2,10E+00	2,03E+00	2,05E+00	1,66E+00
13	2,23E+00	2,64E+00	3,36E+00	2,95E+00	2,24E+00	2,13E+00	2,11E+00	1,69E+00
14	2,35E+00	2,77E+00	3,50E+00	3,07E+00	2,38E+00	2,23E+00	2,16E+00	1,72E+00
15	2,47E+00	2,89E+00	3,63E+00	3,18E+00	2,51E+00	2,33E+00	2,22E+00	1,75E+00
20	2,99E+00	3,43E+00	4,24E+00	3,69E+00	3,16E+00	2,80E+00	2,48E+00	1,88E+00
30	3,85E+00	4,32E+00	5,24E+00	4,52E+00	4,37E+00	3,68E+00	2,95E+00	2,12E+00
40	4,54E+00	5,03E+00	6,03E+00	5,18E+00	5,46E+00	4,48E+00	3,38E+00	2,33E+00
45	4,83E+00	5,34E+00	6,37E+00	5,46E+00	5,98E+00	4,85E+00	3,58E+00	2,43E+00
50	5,11E+00	5,62E+00	6,68E+00	5,73E+00	6,47E+00	5,21E+00	3,77E+00	2,52E+00
60	5,59E+00	6,12E+00	7,24E+00	6,19E+00	7,40E+00	5,88E+00	4,13E+00	2,70E+00
70	6,01E+00	6,55E+00	7,73E+00	6,60E+00	8,26E+00	6,50E+00	4,46E+00	2,86E+00
80	6,38E+00	6,93E+00	8,15E+00	6,95E+00	9,04E+00	7,08E+00	4,76E+00	3,00E+00
90	6,70E+00	7,26E+00	8,52E+00	7,26E+00	9,77E+00	7,60E+00	5,04E+00	3,14E+00
100	6,98E+00	7,55E+00	8,84E+00	7,53E+00	1,04E+01	8,09E+00	5,30E+00	3,26E+00
120	7,44E+00	8,04E+00	9,38E+00	7,98E+00	1,16E+01	8,95E+00	5,75E+00	3,48E+00
180	8,31E+00	8,94E+00	1,04E+01	8,81E+00	1,42E+01	1,08E+01	6,73E+00	3,94E+00
200	8,49E+00	9,12E+00	1,06E+01	8,98E+00	1,48E+01	1,13E+01	6,96E+00	4,05E+00
300	8,94E+00	9,58E+00	1,11E+01	9,41E+00	1,68E+01	1,27E+01	7,68E+00	4,39E+00
360	9,04E+00	9,69E+00	1,12E+01	9,51E+00	1,73E+01	1,31E+01	7,90E+00	4,49E+00
365	9,05E+00	9,69E+00	1,12E+01	9,52E+00	1,74E+01	1,31E+01	7,91E+00	4,50E+00
400	9,08E+00	9,73E+00	1,13E+01	9,55E+00	1,76E+01	1,33E+01	8,00E+00	4,54E+00
500	9,13E+00	9,78E+00	1,13E+01	9,60E+00	1,80E+01	1,35E+01	8,14E+00	4,60E+00
600	9,15E+00	9,80E+00	1,14E+01	9,62E+00	1,82E+01	1,37E+01	8,20E+00	4,63E+00
700	9,16E+00	9,81E+00	1,14E+01	9,63E+00	1,82E+01	1,37E+01	8,23E+00	4,65E+00
800	9,17E+00	9,82E+00	1,14E+01	9,63E+00	1,83E+01	1,38E+01	8,24E+00	4,65E+00
900	9,17E+00	9,82E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
1000	9,17E+00	9,82E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
2000	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
3000	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
4000	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
5000	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
6000	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
8000	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
10000	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
13500	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
14600	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
18250	9,18E+00	9,83E+00	1,14E+01	9,64E+00	1,83E+01	1,38E+01	8,25E+00	4,66E+00
Eff. Dosis	8,4E-10	9,2E-10	1,1E-09	9,4E-10	2,8E-09	2,1E-09	1,3E-09	7,0E-10
Gebärmutter	7,2E-10	8,7E-10	1,1E-09	9,9E-10	4,9E-10	5,6E-10	6,7E-10	5,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mn-54						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,42E-01	9,93E-01
2	5,22E-01	7,91E-01	1,19E+00	1,10E+00	1,49E+00	1,96E+00
3	7,21E-01	9,97E-01	1,42E+00	1,29E+00	1,71E+00	2,87E+00
3,5	8,12E-01	1,07E+00	1,48E+00	1,34E+00	1,76E+00	3,30E+00
4	8,99E-01	1,14E+00	1,53E+00	1,37E+00	1,79E+00	3,72E+00
5	1,07E+00	1,26E+00	1,60E+00	1,41E+00	1,84E+00	4,54E+00
6	1,23E+00	1,38E+00	1,66E+00	1,44E+00	1,88E+00	5,31E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,92E+00	6,05E+00
8	1,54E+00	1,60E+00	1,78E+00	1,50E+00	1,96E+00	6,77E+00
9	1,69E+00	1,71E+00	1,83E+00	1,52E+00	1,99E+00	7,45E+00
10	1,85E+00	1,82E+00	1,89E+00	1,55E+00	2,03E+00	8,11E+00
11	1,99E+00	1,92E+00	1,94E+00	1,57E+00	2,06E+00	8,75E+00
12	2,14E+00	2,03E+00	2,00E+00	1,60E+00	2,09E+00	9,36E+00
13	2,29E+00	2,13E+00	2,05E+00	1,62E+00	2,12E+00	9,95E+00
14	2,43E+00	2,24E+00	2,10E+00	1,65E+00	2,15E+00	1,05E+01
15	2,58E+00	2,34E+00	2,15E+00	1,67E+00	2,18E+00	1,11E+01
20	3,28E+00	2,84E+00	2,41E+00	1,79E+00	2,30E+00	1,36E+01
30	4,63E+00	3,82E+00	2,90E+00	2,01E+00	2,51E+00	1,77E+01
40	5,93E+00	4,75E+00	3,37E+00	2,22E+00	2,67E+00	2,10E+01
45	6,55E+00	5,20E+00	3,60E+00	2,33E+00	2,74E+00	2,24E+01
50	7,17E+00	5,64E+00	3,82E+00	2,43E+00	2,81E+00	2,37E+01
60	8,35E+00	6,49E+00	4,25E+00	2,62E+00	2,92E+00	2,60E+01
70	9,49E+00	7,31E+00	4,66E+00	2,81E+00	3,03E+00	2,80E+01
80	1,06E+01	8,10E+00	5,06E+00	2,99E+00	3,11E+00	2,98E+01
90	1,16E+01	8,85E+00	5,44E+00	3,16E+00	3,19E+00	3,13E+01
100	1,26E+01	9,57E+00	5,80E+00	3,32E+00	3,26E+00	3,26E+01
120	1,45E+01	1,09E+01	6,49E+00	3,63E+00	3,37E+00	3,49E+01
180	1,94E+01	1,44E+01	8,24E+00	4,43E+00	3,58E+00	3,90E+01
200	2,07E+01	1,54E+01	8,74E+00	4,65E+00	3,62E+00	3,99E+01
300	2,62E+01	1,93E+01	1,07E+01	5,55E+00	3,73E+00	4,20E+01
360	2,86E+01	2,11E+01	1,16E+01	5,95E+00	3,75E+00	4,25E+01
365	2,88E+01	2,12E+01	1,17E+01	5,98E+00	3,75E+00	4,25E+01
400	2,99E+01	2,20E+01	1,21E+01	6,18E+00	3,76E+00	4,27E+01
500	3,26E+01	2,39E+01	1,31E+01	6,62E+00	3,77E+00	4,29E+01
600	3,45E+01	2,53E+01	1,38E+01	6,94E+00	3,78E+00	4,30E+01
700	3,59E+01	2,64E+01	1,43E+01	7,18E+00	3,78E+00	4,31E+01
800	3,70E+01	2,71E+01	1,47E+01	7,36E+00	3,78E+00	4,31E+01
900	3,78E+01	2,77E+01	1,50E+01	7,49E+00	3,78E+00	4,31E+01
1000	3,84E+01	2,81E+01	1,52E+01	7,59E+00	3,78E+00	4,31E+01
2000	4,04E+01	2,95E+01	1,59E+01	7,93E+00	3,78E+00	4,31E+01
3000	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
4000	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
5000	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
6000	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
8000	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
10000	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
13500	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
14600	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
18250	4,06E+01	2,97E+01	1,60E+01	7,96E+00	3,78E+00	4,31E+01
Eff. Dosis	7,1E-09	5,2E-09	2,8E-09	1,4E-09	5,0E-10	3,9E-09
Gebärmutter	2,79E-10	4,0E-10	5,7E-10	5,3E-10	9,3E-10	3,2E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mn-56								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,08E-02	1,86E-02	2,97E-02	2,81E-02	1,08E-02	1,86E-02	2,97E-02	2,81E-02
0,08333	1,90E-02	3,27E-02	5,21E-02	4,92E-02	1,90E-02	3,27E-02	5,21E-02	4,92E-02
0,125	2,52E-02	4,33E-02	6,90E-02	6,51E-02	2,52E-02	4,33E-02	6,90E-02	6,51E-02
0,1667	3,00E-02	5,13E-02	8,18E-02	7,71E-02	3,00E-02	5,13E-02	8,18E-02	7,71E-02
0,2083	3,36E-02	5,74E-02	9,15E-02	8,62E-02	3,36E-02	5,74E-02	9,14E-02	8,62E-02
0,25	3,63E-02	6,20E-02	9,88E-02	9,31E-02	3,63E-02	6,20E-02	9,87E-02	9,30E-02
0,2917	3,84E-02	6,55E-02	1,04E-01	9,83E-02	3,84E-02	6,55E-02	1,04E-01	9,82E-02
0,3333	4,00E-02	6,82E-02	1,09E-01	1,02E-01	4,00E-02	6,82E-02	1,08E-01	1,02E-01
0,375	4,12E-02	7,02E-02	1,12E-01	1,05E-01	4,12E-02	7,02E-02	1,12E-01	1,05E-01
0,4167	4,21E-02	7,17E-02	1,14E-01	1,07E-01	4,21E-02	7,17E-02	1,14E-01	1,07E-01
0,4583	4,28E-02	7,29E-02	1,16E-01	1,09E-01	4,28E-02	7,29E-02	1,16E-01	1,09E-01
0,5	4,34E-02	7,37E-02	1,17E-01	1,10E-01	4,34E-02	7,37E-02	1,17E-01	1,10E-01
0,5417	4,38E-02	7,44E-02	1,18E-01	1,11E-01	4,38E-02	7,44E-02	1,18E-01	1,11E-01
0,5833	4,41E-02	7,49E-02	1,19E-01	1,12E-01	4,41E-02	7,49E-02	1,19E-01	1,12E-01
0,625	4,43E-02	7,53E-02	1,20E-01	1,13E-01	4,43E-02	7,53E-02	1,20E-01	1,13E-01
0,6667	4,45E-02	7,56E-02	1,20E-01	1,13E-01	4,45E-02	7,56E-02	1,20E-01	1,13E-01
0,7083	4,46E-02	7,58E-02	1,20E-01	1,13E-01	4,46E-02	7,58E-02	1,20E-01	1,13E-01
0,75	4,47E-02	7,60E-02	1,21E-01	1,14E-01	4,47E-02	7,60E-02	1,21E-01	1,14E-01
0,7917	4,48E-02	7,61E-02	1,21E-01	1,14E-01	4,48E-02	7,61E-02	1,21E-01	1,14E-01
0,8333	4,49E-02	7,62E-02	1,21E-01	1,14E-01	4,49E-02	7,62E-02	1,21E-01	1,14E-01
0,875	4,49E-02	7,63E-02	1,21E-01	1,14E-01	4,49E-02	7,62E-02	1,21E-01	1,14E-01
0,9167	4,49E-02	7,63E-02	1,21E-01	1,14E-01	4,50E-02	7,63E-02	1,21E-01	1,14E-01
0,9583	4,50E-02	7,64E-02	1,21E-01	1,14E-01	4,50E-02	7,63E-02	1,21E-01	1,14E-01
1	4,50E-02	7,64E-02	1,21E-01	1,14E-01	4,50E-02	7,64E-02	1,21E-01	1,14E-01
1,083	4,50E-02	7,64E-02	1,21E-01	1,14E-01	4,50E-02	7,64E-02	1,21E-01	1,14E-01
1,167	4,50E-02	7,65E-02	1,21E-01	1,14E-01	4,50E-02	7,64E-02	1,21E-01	1,14E-01
1,25	4,50E-02	7,65E-02	1,21E-01	1,14E-01	4,51E-02	7,64E-02	1,21E-01	1,14E-01
1,333	4,50E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
1,417	4,50E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
1,5	4,50E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
1,667	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
1,833	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
2	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
3	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
4	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
5	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
6	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
7	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
8	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
9	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
10	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
11	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
12	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
13	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
14	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
15	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
16	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
17	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
18	4,51E-02	7,65E-02	1,22E-01	1,14E-01	4,51E-02	7,65E-02	1,21E-01	1,14E-01
Eff. Dosis	3,3E-11	5,5E-11	8,6E-11	7,9E-11	6,6E-11	8,6E-11	1,2E-10	1,0E-10
Gebärmutter	7,2E-12	1,3E-11	2,2E-11	2,1E-11	4,3E-12	1,3E-11	2,4E-11	2,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mn-56						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,08E-02	1,86E-02	2,97E-02	2,81E-02	3,65E-02	3,65E-02
0,08333	1,90E-02	3,27E-02	5,21E-02	4,92E-02	6,44E-02	6,43E-02
0,125	2,52E-02	4,33E-02	6,90E-02	6,51E-02	8,57E-02	8,56E-02
0,1667	3,00E-02	5,13E-02	8,18E-02	7,71E-02	1,02E-01	1,02E-01
0,2083	3,36E-02	5,74E-02	9,14E-02	8,62E-02	1,14E-01	1,14E-01
0,25	3,63E-02	6,20E-02	9,87E-02	9,30E-02	1,24E-01	1,24E-01
0,2917	3,84E-02	6,55E-02	1,04E-01	9,82E-02	1,31E-01	1,31E-01
0,3333	4,00E-02	6,82E-02	1,08E-01	1,02E-01	1,37E-01	1,37E-01
0,375	4,12E-02	7,02E-02	1,12E-01	1,05E-01	1,41E-01	1,41E-01
0,4167	4,21E-02	7,17E-02	1,14E-01	1,07E-01	1,44E-01	1,44E-01
0,4583	4,28E-02	7,29E-02	1,16E-01	1,09E-01	1,47E-01	1,46E-01
0,5	4,34E-02	7,37E-02	1,17E-01	1,10E-01	1,48E-01	1,48E-01
0,5417	4,38E-02	7,44E-02	1,18E-01	1,11E-01	1,50E-01	1,50E-01
0,5833	4,41E-02	7,49E-02	1,19E-01	1,12E-01	1,51E-01	1,51E-01
0,625	4,43E-02	7,53E-02	1,20E-01	1,13E-01	1,52E-01	1,52E-01
0,6667	4,45E-02	7,56E-02	1,20E-01	1,13E-01	1,52E-01	1,52E-01
0,7083	4,46E-02	7,58E-02	1,20E-01	1,13E-01	1,53E-01	1,53E-01
0,75	4,47E-02	7,60E-02	1,21E-01	1,14E-01	1,53E-01	1,53E-01
0,7917	4,48E-02	7,61E-02	1,21E-01	1,14E-01	1,53E-01	1,54E-01
0,8333	4,49E-02	7,62E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
0,875	4,49E-02	7,62E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
0,9167	4,50E-02	7,63E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
0,9583	4,50E-02	7,63E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1	4,50E-02	7,64E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,083	4,50E-02	7,64E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,167	4,50E-02	7,64E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,25	4,51E-02	7,64E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,333	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,417	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,5	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,667	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
1,833	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
2	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
3	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
4	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
5	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
6	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
7	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
8	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
9	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
10	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
11	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
12	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
13	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
14	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
15	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
16	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
17	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
18	4,51E-02	7,65E-02	1,21E-01	1,14E-01	1,54E-01	1,54E-01
Eff. Dosis	6,8E-11	8,8E-11	1,2E-10	1,0E-10	2,0E-10	7,3E-11
Gebärmutter	4,0E-12	1,3E-11	2,4E-11	2,4E-11	7,1E-11	2,7E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Fe-59								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,63E-01	7,24E-01	6,79E-01	2,79E-01	4,57E-01	7,13E-01	6,69E-01
2	5,37E-01	8,49E-01	1,30E+00	1,21E+00	5,16E-01	7,84E-01	1,18E+00	1,09E+00
3	7,73E-01	1,18E+00	1,77E+00	1,64E+00	7,12E-01	9,90E-01	1,41E+00	1,29E+00
3,5	8,87E-01	1,33E+00	1,98E+00	1,83E+00	8,00E-01	1,07E+00	1,48E+00	1,34E+00
4	9,99E-01	1,47E+00	2,18E+00	2,01E+00	8,85E-01	1,14E+00	1,53E+00	1,38E+00
5	1,22E+00	1,76E+00	2,57E+00	2,36E+00	1,05E+00	1,26E+00	1,62E+00	1,43E+00
6	1,43E+00	2,04E+00	2,95E+00	2,70E+00	1,20E+00	1,38E+00	1,69E+00	1,48E+00
7	1,65E+00	2,31E+00	3,32E+00	3,03E+00	1,35E+00	1,49E+00	1,76E+00	1,52E+00
8	1,86E+00	2,58E+00	3,68E+00	3,36E+00	1,50E+00	1,60E+00	1,83E+00	1,56E+00
9	2,06E+00	2,85E+00	4,04E+00	3,68E+00	1,65E+00	1,70E+00	1,89E+00	1,59E+00
10	2,26E+00	3,11E+00	4,40E+00	4,00E+00	1,79E+00	1,81E+00	1,96E+00	1,63E+00
11	2,46E+00	3,37E+00	4,75E+00	4,31E+00	1,92E+00	1,91E+00	2,02E+00	1,67E+00
12	2,66E+00	3,62E+00	5,09E+00	4,62E+00	2,06E+00	2,01E+00	2,08E+00	1,70E+00
13	2,85E+00	3,87E+00	5,43E+00	4,92E+00	2,19E+00	2,11E+00	2,14E+00	1,74E+00
14	3,04E+00	4,11E+00	5,76E+00	5,22E+00	2,32E+00	2,21E+00	2,20E+00	1,77E+00
15	3,23E+00	4,35E+00	6,09E+00	5,52E+00	2,44E+00	2,30E+00	2,26E+00	1,80E+00
20	4,12E+00	5,51E+00	7,65E+00	6,92E+00	3,04E+00	2,75E+00	2,53E+00	1,96E+00
30	5,70E+00	7,55E+00	1,04E+01	9,41E+00	4,09E+00	3,54E+00	3,02E+00	2,24E+00
40	7,06E+00	9,30E+00	1,28E+01	1,15E+01	4,97E+00	4,21E+00	3,43E+00	2,48E+00
45	7,66E+00	1,01E+01	1,38E+01	1,25E+01	5,36E+00	4,50E+00	3,61E+00	2,58E+00
50	8,21E+00	1,08E+01	1,48E+01	1,33E+01	5,72E+00	4,77E+00	3,77E+00	2,68E+00
60	9,19E+00	1,21E+01	1,65E+01	1,49E+01	6,35E+00	5,25E+00	4,07E+00	2,85E+00
70	1,00E+01	1,31E+01	1,80E+01	1,62E+01	6,88E+00	5,65E+00	4,32E+00	2,99E+00
80	1,08E+01	1,41E+01	1,93E+01	1,73E+01	7,33E+00	5,99E+00	4,53E+00	3,11E+00
90	1,14E+01	1,49E+01	2,03E+01	1,83E+01	7,72E+00	6,28E+00	4,71E+00	3,22E+00
100	1,19E+01	1,55E+01	2,12E+01	1,91E+01	8,04E+00	6,53E+00	4,86E+00	3,31E+00
120	1,27E+01	1,66E+01	2,27E+01	2,04E+01	8,55E+00	6,91E+00	5,10E+00	3,45E+00
180	1,41E+01	1,84E+01	2,51E+01	2,26E+01	9,37E+00	7,53E+00	5,49E+00	3,67E+00
200	1,43E+01	1,87E+01	2,55E+01	2,29E+01	9,51E+00	7,64E+00	5,55E+00	3,71E+00
300	1,48E+01	1,93E+01	2,64E+01	2,37E+01	9,80E+00	7,86E+00	5,69E+00	3,79E+00
360	1,49E+01	1,94E+01	2,65E+01	2,38E+01	9,84E+00	7,89E+00	5,71E+00	3,80E+00
365	1,49E+01	1,94E+01	2,65E+01	2,38E+01	9,85E+00	7,89E+00	5,71E+00	3,81E+00
400	1,49E+01	1,94E+01	2,65E+01	2,39E+01	9,86E+00	7,90E+00	5,72E+00	3,81E+00
500	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
600	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
700	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
800	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
900	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
1000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
2000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
3000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
4000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
5000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
6000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
8000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
10000	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
13500	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
14600	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
18250	1,49E+01	1,95E+01	2,66E+01	2,39E+01	9,87E+00	7,91E+00	5,72E+00	3,81E+00
Eff. Dosis	3,1E-09	4,1E-09	5,6E-09	5,0E-09	3,2E-09	2,5E-09	1,7E-09	1,1E-09
Gebärmutter	8,1E-10	1,1E-09	1,6E-09	1,5E-09	3,8E-10	5,4E-10	7,8E-10	7,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Fe-59						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,79E-01	4,57E-01	7,13E-01	6,68E-01	9,38E-01	9,92E-01
2	5,15E-01	7,82E-01	1,17E+00	1,09E+00	1,50E+00	1,97E+00
3	7,08E-01	9,81E-01	1,40E+00	1,28E+00	1,75E+00	2,93E+00
3,5	7,95E-01	1,05E+00	1,46E+00	1,32E+00	1,82E+00	3,40E+00
4	8,78E-01	1,12E+00	1,50E+00	1,35E+00	1,88E+00	3,87E+00
5	1,04E+00	1,23E+00	1,57E+00	1,39E+00	1,98E+00	4,80E+00
6	1,19E+00	1,34E+00	1,63E+00	1,42E+00	2,07E+00	5,72E+00
7	1,33E+00	1,44E+00	1,68E+00	1,44E+00	2,16E+00	6,62E+00
8	1,47E+00	1,54E+00	1,74E+00	1,47E+00	2,25E+00	7,51E+00
9	1,61E+00	1,64E+00	1,79E+00	1,49E+00	2,34E+00	8,38E+00
10	1,74E+00	1,74E+00	1,83E+00	1,52E+00	2,43E+00	9,24E+00
11	1,87E+00	1,83E+00	1,88E+00	1,54E+00	2,51E+00	1,01E+01
12	2,00E+00	1,92E+00	1,93E+00	1,56E+00	2,59E+00	1,09E+01
13	2,13E+00	2,01E+00	1,97E+00	1,58E+00	2,68E+00	1,17E+01
14	2,25E+00	2,10E+00	2,02E+00	1,60E+00	2,76E+00	1,26E+01
15	2,37E+00	2,18E+00	2,06E+00	1,62E+00	2,84E+00	1,33E+01
20	2,93E+00	2,59E+00	2,27E+00	1,72E+00	3,22E+00	1,71E+01
30	3,91E+00	3,29E+00	2,63E+00	1,88E+00	3,89E+00	2,39E+01
40	4,73E+00	3,88E+00	2,93E+00	2,02E+00	4,46E+00	2,96E+01
45	5,08E+00	4,14E+00	3,06E+00	2,08E+00	4,72E+00	3,22E+01
50	5,41E+00	4,38E+00	3,18E+00	2,13E+00	4,95E+00	3,45E+01
60	5,99E+00	4,79E+00	3,39E+00	2,23E+00	5,37E+00	3,87E+01
70	6,48E+00	5,14E+00	3,57E+00	2,31E+00	5,73E+00	4,23E+01
80	6,88E+00	5,44E+00	3,72E+00	2,38E+00	6,03E+00	4,53E+01
90	7,22E+00	5,68E+00	3,85E+00	2,44E+00	6,29E+00	4,79E+01
100	7,51E+00	5,89E+00	3,95E+00	2,49E+00	6,52E+00	5,01E+01
120	7,96E+00	6,21E+00	4,12E+00	2,57E+00	6,87E+00	5,36E+01
180	8,65E+00	6,71E+00	4,37E+00	2,68E+00	7,44E+00	5,94E+01
200	8,76E+00	6,79E+00	4,41E+00	2,70E+00	7,54E+00	6,04E+01
300	8,99E+00	6,96E+00	4,50E+00	2,74E+00	7,76E+00	6,25E+01
360	9,02E+00	6,98E+00	4,51E+00	2,75E+00	7,79E+00	6,29E+01
365	9,02E+00	6,98E+00	4,51E+00	2,75E+00	7,79E+00	6,29E+01
400	9,03E+00	6,99E+00	4,51E+00	2,75E+00	7,80E+00	6,30E+01
500	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
600	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
700	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
800	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
900	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
1000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
2000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
3000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
4000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
5000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
6000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
8000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
10000	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
13500	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
14600	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
18250	9,04E+00	6,99E+00	4,52E+00	2,75E+00	7,81E+00	6,31E+01
Eff. Dosis	3,6E-09	2,7E-09	1,7E-09	9,8E-10	1,7E-09	1,3E-08
Gebärmutter	1,98E-10	4,0E-10	6,9E-10	6,6E-10	1,3E-09	3,3E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-56								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,61E-01	4,41E-01	6,99E-01	6,58E-01	2,76E-01	4,55E-01	7,12E-01	6,68E-01
2	4,52E-01	7,35E-01	1,14E+00	1,07E+00	5,05E-01	7,75E-01	1,17E+00	1,09E+00
3	5,89E-01	9,02E-01	1,36E+00	1,27E+00	6,88E-01	9,70E-01	1,40E+00	1,28E+00
3,5	6,44E-01	9,59E-01	1,42E+00	1,32E+00	7,70E-01	1,04E+00	1,46E+00	1,33E+00
4	6,95E-01	1,01E+00	1,47E+00	1,36E+00	8,47E-01	1,10E+00	1,51E+00	1,36E+00
5	7,84E-01	1,09E+00	1,54E+00	1,41E+00	9,94E-01	1,21E+00	1,58E+00	1,40E+00
6	8,63E-01	1,15E+00	1,60E+00	1,45E+00	1,13E+00	1,31E+00	1,63E+00	1,43E+00
7	9,35E-01	1,21E+00	1,65E+00	1,49E+00	1,27E+00	1,41E+00	1,69E+00	1,46E+00
8	1,00E+00	1,27E+00	1,69E+00	1,52E+00	1,40E+00	1,50E+00	1,74E+00	1,49E+00
9	1,06E+00	1,32E+00	1,74E+00	1,55E+00	1,52E+00	1,59E+00	1,79E+00	1,51E+00
10	1,12E+00	1,37E+00	1,78E+00	1,58E+00	1,65E+00	1,68E+00	1,84E+00	1,54E+00
11	1,18E+00	1,41E+00	1,81E+00	1,61E+00	1,76E+00	1,77E+00	1,88E+00	1,56E+00
12	1,23E+00	1,46E+00	1,85E+00	1,63E+00	1,88E+00	1,85E+00	1,93E+00	1,58E+00
13	1,28E+00	1,50E+00	1,88E+00	1,66E+00	2,00E+00	1,94E+00	1,97E+00	1,60E+00
14	1,33E+00	1,54E+00	1,92E+00	1,68E+00	2,11E+00	2,02E+00	2,02E+00	1,63E+00
15	1,38E+00	1,58E+00	1,95E+00	1,70E+00	2,22E+00	2,10E+00	2,06E+00	1,65E+00
20	1,59E+00	1,75E+00	2,09E+00	1,81E+00	2,74E+00	2,47E+00	2,26E+00	1,75E+00
30	1,93E+00	2,04E+00	2,32E+00	1,97E+00	3,66E+00	3,14E+00	2,61E+00	1,92E+00
40	2,20E+00	2,26E+00	2,51E+00	2,11E+00	4,44E+00	3,72E+00	2,92E+00	2,06E+00
45	2,32E+00	2,36E+00	2,59E+00	2,16E+00	4,80E+00	3,97E+00	3,05E+00	2,13E+00
50	2,43E+00	2,46E+00	2,66E+00	2,22E+00	5,12E+00	4,21E+00	3,18E+00	2,19E+00
60	2,63E+00	2,62E+00	2,79E+00	2,31E+00	5,71E+00	4,63E+00	3,40E+00	2,30E+00
70	2,80E+00	2,76E+00	2,91E+00	2,39E+00	6,21E+00	5,00E+00	3,59E+00	2,39E+00
80	2,95E+00	2,88E+00	3,01E+00	2,47E+00	6,65E+00	5,32E+00	3,76E+00	2,47E+00
90	3,08E+00	2,99E+00	3,10E+00	2,53E+00	7,03E+00	5,59E+00	3,91E+00	2,54E+00
100	3,20E+00	3,09E+00	3,17E+00	2,58E+00	7,36E+00	5,83E+00	4,03E+00	2,60E+00
120	3,39E+00	3,25E+00	3,30E+00	2,68E+00	7,89E+00	6,21E+00	4,24E+00	2,70E+00
180	3,76E+00	3,55E+00	3,55E+00	2,85E+00	8,81E+00	6,89E+00	4,59E+00	2,88E+00
200	3,84E+00	3,62E+00	3,60E+00	2,89E+00	8,98E+00	7,01E+00	4,66E+00	2,91E+00
300	4,05E+00	3,79E+00	3,74E+00	2,99E+00	9,39E+00	7,31E+00	4,82E+00	2,99E+00
360	4,10E+00	3,84E+00	3,77E+00	3,01E+00	9,48E+00	7,37E+00	4,86E+00	3,01E+00
365	4,11E+00	3,84E+00	3,78E+00	3,01E+00	9,48E+00	7,38E+00	4,86E+00	3,01E+00
400	4,13E+00	3,85E+00	3,79E+00	3,02E+00	9,51E+00	7,40E+00	4,87E+00	3,01E+00
500	4,15E+00	3,88E+00	3,81E+00	3,03E+00	9,54E+00	7,42E+00	4,88E+00	3,02E+00
600	4,16E+00	3,88E+00	3,81E+00	3,04E+00	9,55E+00	7,43E+00	4,89E+00	3,02E+00
700	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
800	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
900	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
1000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
2000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
3000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
4000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
5000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
6000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
8000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
10000	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
13500	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
14600	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
18250	4,17E+00	3,89E+00	3,82E+00	3,04E+00	9,56E+00	7,43E+00	4,89E+00	3,02E+00
Eff. Dosis	1,8E-09	1,8E-09	1,8E-09	1,5E-09	7,2E-09	5,5E-09	3,5E-09	2,1E-09
Gebärmutter	1,3E-09	1,7E-09	2,4E-09	2,2E-09	9,2E-10	1,4E-09	2,2E-09	2,0E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-56							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,1	fA=0,05	
1	2,80E-01	4,58E-01	7,15E-01	6,70E-01	9,17E-01	9,27E-01	6,92E-01
2	5,18E-01	7,86E-01	1,18E+00	1,10E+00	1,45E+00	1,46E+00	1,28E+00
3	7,13E-01	9,87E-01	1,40E+00	1,28E+00	1,65E+00	1,65E+00	1,79E+00
3,5	8,01E-01	1,06E+00	1,47E+00	1,33E+00	1,70E+00	1,69E+00	2,03E+00
4	8,86E-01	1,13E+00	1,51E+00	1,36E+00	1,74E+00	1,71E+00	2,25E+00
5	1,05E+00	1,25E+00	1,58E+00	1,40E+00	1,79E+00	1,74E+00	2,66E+00
6	1,20E+00	1,36E+00	1,64E+00	1,43E+00	1,83E+00	1,76E+00	3,03E+00
7	1,35E+00	1,46E+00	1,70E+00	1,46E+00	1,86E+00	1,78E+00	3,38E+00
8	1,50E+00	1,57E+00	1,75E+00	1,48E+00	1,90E+00	1,80E+00	3,70E+00
9	1,64E+00	1,67E+00	1,80E+00	1,50E+00	1,93E+00	1,81E+00	4,00E+00
10	1,79E+00	1,77E+00	1,86E+00	1,53E+00	1,96E+00	1,83E+00	4,28E+00
11	1,92E+00	1,87E+00	1,91E+00	1,55E+00	1,98E+00	1,84E+00	4,55E+00
12	2,06E+00	1,96E+00	1,95E+00	1,57E+00	2,01E+00	1,85E+00	4,81E+00
13	2,19E+00	2,06E+00	2,00E+00	1,59E+00	2,03E+00	1,87E+00	5,05E+00
14	2,32E+00	2,15E+00	2,05E+00	1,62E+00	2,06E+00	1,88E+00	5,29E+00
15	2,45E+00	2,25E+00	2,10E+00	1,64E+00	2,08E+00	1,89E+00	5,52E+00
20	3,08E+00	2,69E+00	2,32E+00	1,74E+00	2,18E+00	1,94E+00	6,54E+00
30	4,22E+00	3,51E+00	2,74E+00	1,93E+00	2,35E+00	2,02E+00	8,20E+00
40	5,24E+00	4,25E+00	3,11E+00	2,09E+00	2,48E+00	2,09E+00	9,53E+00
45	5,70E+00	4,58E+00	3,28E+00	2,17E+00	2,54E+00	2,12E+00	1,01E+01
50	6,15E+00	4,90E+00	3,44E+00	2,24E+00	2,59E+00	2,15E+00	1,06E+01
60	6,96E+00	5,49E+00	3,73E+00	2,38E+00	2,69E+00	2,19E+00	1,16E+01
70	7,70E+00	6,01E+00	4,00E+00	2,50E+00	2,77E+00	2,23E+00	1,24E+01
80	8,35E+00	6,49E+00	4,24E+00	2,61E+00	2,84E+00	2,27E+00	1,31E+01
90	8,94E+00	6,91E+00	4,45E+00	2,70E+00	2,90E+00	2,30E+00	1,37E+01
100	9,47E+00	7,29E+00	4,64E+00	2,79E+00	2,96E+00	2,33E+00	1,43E+01
120	1,04E+01	7,93E+00	4,97E+00	2,94E+00	3,05E+00	2,37E+00	1,52E+01
180	1,21E+01	9,21E+00	5,61E+00	3,23E+00	3,22E+00	2,46E+00	1,69E+01
200	1,25E+01	9,48E+00	5,75E+00	3,29E+00	3,26E+00	2,48E+00	1,73E+01
300	1,36E+01	1,02E+01	6,13E+00	3,46E+00	3,35E+00	2,53E+00	1,82E+01
360	1,38E+01	1,04E+01	6,22E+00	3,51E+00	3,38E+00	2,54E+00	1,85E+01
365	1,38E+01	1,04E+01	6,23E+00	3,51E+00	3,38E+00	2,54E+00	1,85E+01
400	1,39E+01	1,05E+01	6,26E+00	3,52E+00	3,39E+00	2,54E+00	1,86E+01
500	1,41E+01	1,06E+01	6,31E+00	3,55E+00	3,40E+00	2,55E+00	1,87E+01
600	1,41E+01	1,06E+01	6,33E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
700	1,41E+01	1,06E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
800	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
900	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
1000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
2000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
3000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
4000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
5000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
6000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
8000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
10000	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
13500	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
14600	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
18250	1,41E+01	1,07E+01	6,34E+00	3,56E+00	3,41E+00	2,55E+00	1,88E+01
Eff. Dosis	1,2E-08	8,6E-09	5,0E-09	2,7E-09	1,8E-09	1,6E-09	6,9E-09
Gebärmutter	6,9E-10	1,3E-09	2,1E-09	2,0E-09	3,3E-09	3,2E-09	5,3E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-57								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,61E-01	4,42E-01	7,01E-01	6,60E-01	2,77E-01	4,56E-01	7,14E-01	6,70E-01
2	4,55E-01	7,39E-01	1,15E+00	1,08E+00	5,08E-01	7,80E-01	1,18E+00	1,10E+00
3	5,94E-01	9,09E-01	1,37E+00	1,27E+00	6,94E-01	9,78E-01	1,41E+00	1,29E+00
3,5	6,50E-01	9,67E-01	1,44E+00	1,33E+00	7,78E-01	1,05E+00	1,47E+00	1,34E+00
4	7,02E-01	1,02E+00	1,48E+00	1,37E+00	8,57E-01	1,11E+00	1,52E+00	1,37E+00
5	7,94E-01	1,10E+00	1,56E+00	1,42E+00	1,01E+00	1,23E+00	1,59E+00	1,41E+00
6	8,76E-01	1,17E+00	1,61E+00	1,47E+00	1,15E+00	1,33E+00	1,65E+00	1,45E+00
7	9,51E-01	1,23E+00	1,67E+00	1,50E+00	1,29E+00	1,43E+00	1,71E+00	1,47E+00
8	1,02E+00	1,29E+00	1,71E+00	1,54E+00	1,43E+00	1,53E+00	1,76E+00	1,50E+00
9	1,09E+00	1,34E+00	1,76E+00	1,57E+00	1,56E+00	1,63E+00	1,81E+00	1,53E+00
10	1,15E+00	1,39E+00	1,80E+00	1,60E+00	1,69E+00	1,72E+00	1,86E+00	1,55E+00
11	1,21E+00	1,44E+00	1,84E+00	1,63E+00	1,82E+00	1,81E+00	1,91E+00	1,58E+00
12	1,26E+00	1,49E+00	1,88E+00	1,66E+00	1,94E+00	1,90E+00	1,96E+00	1,60E+00
13	1,32E+00	1,53E+00	1,92E+00	1,68E+00	2,07E+00	1,99E+00	2,01E+00	1,63E+00
14	1,37E+00	1,58E+00	1,95E+00	1,71E+00	2,19E+00	2,08E+00	2,06E+00	1,65E+00
15	1,42E+00	1,62E+00	1,99E+00	1,73E+00	2,31E+00	2,17E+00	2,10E+00	1,67E+00
20	1,66E+00	1,82E+00	2,15E+00	1,85E+00	2,89E+00	2,59E+00	2,33E+00	1,78E+00
30	2,06E+00	2,15E+00	2,42E+00	2,05E+00	3,97E+00	3,37E+00	2,75E+00	1,99E+00
40	2,40E+00	2,43E+00	2,65E+00	2,21E+00	4,96E+00	4,09E+00	3,12E+00	2,17E+00
45	2,56E+00	2,56E+00	2,76E+00	2,29E+00	5,42E+00	4,43E+00	3,30E+00	2,26E+00
50	2,71E+00	2,69E+00	2,86E+00	2,36E+00	5,86E+00	4,75E+00	3,47E+00	2,34E+00
60	2,99E+00	2,92E+00	3,05E+00	2,50E+00	6,70E+00	5,35E+00	3,79E+00	2,49E+00
70	3,25E+00	3,14E+00	3,22E+00	2,62E+00	7,47E+00	5,91E+00	4,08E+00	2,63E+00
80	3,49E+00	3,34E+00	3,38E+00	2,74E+00	8,17E+00	6,43E+00	4,36E+00	2,77E+00
90	3,72E+00	3,52E+00	3,53E+00	2,84E+00	8,83E+00	6,90E+00	4,61E+00	2,89E+00
100	3,93E+00	3,70E+00	3,68E+00	2,95E+00	9,43E+00	7,34E+00	4,84E+00	3,00E+00
120	4,33E+00	4,03E+00	3,94E+00	3,13E+00	1,05E+01	8,12E+00	5,25E+00	3,20E+00
180	5,28E+00	4,81E+00	4,57E+00	3,58E+00	1,29E+01	9,85E+00	6,17E+00	3,65E+00
200	5,54E+00	5,03E+00	4,74E+00	3,71E+00	1,35E+01	1,03E+01	6,40E+00	3,76E+00
300	6,56E+00	5,87E+00	5,41E+00	4,19E+00	1,54E+01	1,17E+01	7,16E+00	4,14E+00
360	7,00E+00	6,23E+00	5,71E+00	4,39E+00	1,61E+01	1,22E+01	7,44E+00	4,28E+00
365	7,03E+00	6,26E+00	5,73E+00	4,41E+00	1,62E+01	1,22E+01	7,46E+00	4,29E+00
400	7,24E+00	6,43E+00	5,87E+00	4,51E+00	1,64E+01	1,25E+01	7,58E+00	4,35E+00
500	7,71E+00	6,82E+00	6,18E+00	4,73E+00	1,70E+01	1,29E+01	7,82E+00	4,48E+00
600	8,04E+00	7,09E+00	6,40E+00	4,89E+00	1,74E+01	1,31E+01	7,96E+00	4,56E+00
700	8,27E+00	7,28E+00	6,55E+00	5,00E+00	1,76E+01	1,33E+01	8,06E+00	4,61E+00
800	8,43E+00	7,41E+00	6,66E+00	5,08E+00	1,77E+01	1,34E+01	8,12E+00	4,64E+00
900	8,54E+00	7,51E+00	6,74E+00	5,13E+00	1,78E+01	1,35E+01	8,16E+00	4,67E+00
1000	8,62E+00	7,57E+00	6,79E+00	5,17E+00	1,79E+01	1,35E+01	8,19E+00	4,68E+00
2000	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,80E+01	1,36E+01	8,26E+00	4,72E+00
3000	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
4000	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
5000	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
6000	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
8000	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
10000	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
13500	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
14600	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
18250	8,82E+00	7,74E+00	6,93E+00	5,27E+00	1,81E+01	1,36E+01	8,26E+00	4,72E+00
Eff. Dosis	1,9E-10	1,7E-10	1,5E-10	1,1E-10	7,0E-10	5,2E-10	3,0E-10	1,6E-10
Gebärmutter	1,1E-10	1,2E-10	1,5E-10	1,3E-10	7,5E-11	8,9E-11	1,1E-10	9,9E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-57

Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,1	fA=0,05	
1	2,81E-01	4,60E-01	7,17E-01	6,72E-01	9,20E-01	9,30E-01	6,94E-01
2	5,21E-01	7,90E-01	1,19E+00	1,10E+00	1,45E+00	1,46E+00	1,29E+00
3	7,20E-01	9,95E-01	1,41E+00	1,29E+00	1,66E+00	1,66E+00	1,81E+00
3,5	8,10E-01	1,07E+00	1,48E+00	1,34E+00	1,72E+00	1,70E+00	2,05E+00
4	8,96E-01	1,14E+00	1,53E+00	1,37E+00	1,75E+00	1,72E+00	2,28E+00
5	1,06E+00	1,26E+00	1,60E+00	1,41E+00	1,80E+00	1,76E+00	2,70E+00
6	1,22E+00	1,37E+00	1,66E+00	1,44E+00	1,84E+00	1,78E+00	3,08E+00
7	1,38E+00	1,49E+00	1,72E+00	1,47E+00	1,88E+00	1,80E+00	3,44E+00
8	1,53E+00	1,59E+00	1,77E+00	1,50E+00	1,91E+00	1,81E+00	3,78E+00
9	1,69E+00	1,70E+00	1,83E+00	1,52E+00	1,95E+00	1,83E+00	4,10E+00
10	1,84E+00	1,81E+00	1,88E+00	1,55E+00	1,98E+00	1,84E+00	4,40E+00
11	1,98E+00	1,91E+00	1,94E+00	1,57E+00	2,01E+00	1,86E+00	4,69E+00
12	2,13E+00	2,02E+00	1,99E+00	1,59E+00	2,03E+00	1,87E+00	4,96E+00
13	2,28E+00	2,12E+00	2,04E+00	1,62E+00	2,06E+00	1,89E+00	5,23E+00
14	2,42E+00	2,23E+00	2,09E+00	1,64E+00	2,09E+00	1,90E+00	5,49E+00
15	2,56E+00	2,33E+00	2,15E+00	1,67E+00	2,11E+00	1,91E+00	5,74E+00
20	3,26E+00	2,83E+00	2,40E+00	1,78E+00	2,23E+00	1,97E+00	6,89E+00
30	4,60E+00	3,79E+00	2,88E+00	2,00E+00	2,42E+00	2,07E+00	8,83E+00
40	5,87E+00	4,71E+00	3,35E+00	2,21E+00	2,59E+00	2,15E+00	1,05E+01
45	6,49E+00	5,15E+00	3,57E+00	2,31E+00	2,66E+00	2,19E+00	1,13E+01
50	7,09E+00	5,58E+00	3,79E+00	2,41E+00	2,74E+00	2,22E+00	1,20E+01
60	8,25E+00	6,42E+00	4,21E+00	2,60E+00	2,87E+00	2,29E+00	1,33E+01
70	9,36E+00	7,22E+00	4,61E+00	2,78E+00	2,99E+00	2,35E+00	1,45E+01
80	1,04E+01	7,98E+00	5,00E+00	2,96E+00	3,11E+00	2,41E+00	1,57E+01
90	1,14E+01	8,71E+00	5,37E+00	3,12E+00	3,22E+00	2,46E+00	1,68E+01
100	1,24E+01	9,41E+00	5,72E+00	3,28E+00	3,32E+00	2,51E+00	1,78E+01
120	1,42E+01	1,07E+01	6,38E+00	3,58E+00	3,50E+00	2,61E+00	1,96E+01
180	1,88E+01	1,40E+01	8,04E+00	4,34E+00	3,95E+00	2,83E+00	2,41E+01
200	2,01E+01	1,49E+01	8,51E+00	4,55E+00	4,07E+00	2,89E+00	2,53E+01
300	2,51E+01	1,86E+01	1,03E+01	5,38E+00	4,54E+00	3,12E+00	3,00E+01
360	2,73E+01	2,01E+01	1,11E+01	5,74E+00	4,75E+00	3,23E+00	3,21E+01
365	2,75E+01	2,03E+01	1,12E+01	5,77E+00	4,76E+00	3,24E+00	3,22E+01
400	2,85E+01	2,10E+01	1,16E+01	5,94E+00	4,86E+00	3,28E+00	3,32E+01
500	3,08E+01	2,27E+01	1,24E+01	6,33E+00	5,08E+00	3,40E+00	3,54E+01
600	3,24E+01	2,38E+01	1,30E+01	6,60E+00	5,24E+00	3,47E+00	3,70E+01
700	3,36E+01	2,46E+01	1,34E+01	6,79E+00	5,35E+00	3,53E+00	3,81E+01
800	3,44E+01	2,52E+01	1,37E+01	6,93E+00	5,42E+00	3,57E+00	3,88E+01
900	3,50E+01	2,57E+01	1,40E+01	7,03E+00	5,48E+00	3,59E+00	3,94E+01
1000	3,55E+01	2,60E+01	1,41E+01	7,11E+00	5,52E+00	3,61E+00	3,98E+01
2000	3,68E+01	2,69E+01	1,46E+01	7,33E+00	5,62E+00	3,66E+00	4,08E+01
3000	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
4000	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
5000	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
6000	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
8000	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
10000	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
13500	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
14600	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
18250	3,69E+01	2,70E+01	1,46E+01	7,34E+00	5,62E+00	3,67E+00	4,08E+01
Eff. Dosis	1,6E-09	1,2E-09	6,4E-10	3,2E-10	1,2E-10	8,7E-11	7,4E-10
Gebärmutter	3,2E-11	5,6E-11	9,1E-11	8,7E-11	1,8E-10	1,6E-10	5,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-58								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,60E-01	4,41E-01	6,99E-01	6,57E-01	2,76E-01	4,55E-01	7,12E-01	6,68E-01
2	4,52E-01	7,34E-01	1,14E+00	1,07E+00	5,04E-01	7,75E-01	1,17E+00	1,09E+00
3	5,88E-01	9,01E-01	1,36E+00	1,26E+00	6,88E-01	9,69E-01	1,39E+00	1,28E+00
3,5	6,44E-01	9,58E-01	1,42E+00	1,32E+00	7,69E-01	1,04E+00	1,46E+00	1,33E+00
4	6,94E-01	1,01E+00	1,47E+00	1,36E+00	8,46E-01	1,10E+00	1,50E+00	1,36E+00
5	7,83E-01	1,08E+00	1,54E+00	1,41E+00	9,92E-01	1,21E+00	1,57E+00	1,40E+00
6	8,62E-01	1,15E+00	1,60E+00	1,45E+00	1,13E+00	1,31E+00	1,63E+00	1,43E+00
7	9,33E-01	1,21E+00	1,65E+00	1,49E+00	1,26E+00	1,41E+00	1,68E+00	1,46E+00
8	1,00E+00	1,26E+00	1,69E+00	1,52E+00	1,39E+00	1,50E+00	1,74E+00	1,48E+00
9	1,06E+00	1,32E+00	1,73E+00	1,55E+00	1,52E+00	1,59E+00	1,78E+00	1,51E+00
10	1,12E+00	1,36E+00	1,77E+00	1,58E+00	1,64E+00	1,68E+00	1,83E+00	1,53E+00
11	1,17E+00	1,41E+00	1,81E+00	1,60E+00	1,76E+00	1,76E+00	1,88E+00	1,56E+00
12	1,23E+00	1,45E+00	1,85E+00	1,63E+00	1,87E+00	1,85E+00	1,92E+00	1,58E+00
13	1,28E+00	1,49E+00	1,88E+00	1,65E+00	1,99E+00	1,93E+00	1,97E+00	1,60E+00
14	1,32E+00	1,53E+00	1,91E+00	1,68E+00	2,10E+00	2,01E+00	2,01E+00	1,62E+00
15	1,37E+00	1,57E+00	1,94E+00	1,70E+00	2,21E+00	2,09E+00	2,05E+00	1,64E+00
20	1,58E+00	1,74E+00	2,08E+00	1,80E+00	2,72E+00	2,46E+00	2,25E+00	1,74E+00
30	1,91E+00	2,02E+00	2,31E+00	1,97E+00	3,62E+00	3,12E+00	2,60E+00	1,91E+00
40	2,18E+00	2,24E+00	2,49E+00	2,09E+00	4,39E+00	3,67E+00	2,89E+00	2,05E+00
45	2,29E+00	2,34E+00	2,57E+00	2,15E+00	4,73E+00	3,92E+00	3,02E+00	2,11E+00
50	2,40E+00	2,43E+00	2,64E+00	2,20E+00	5,04E+00	4,15E+00	3,14E+00	2,17E+00
60	2,59E+00	2,58E+00	2,77E+00	2,29E+00	5,60E+00	4,55E+00	3,36E+00	2,28E+00
70	2,75E+00	2,72E+00	2,88E+00	2,37E+00	6,08E+00	4,90E+00	3,54E+00	2,37E+00
80	2,89E+00	2,84E+00	2,97E+00	2,44E+00	6,49E+00	5,20E+00	3,70E+00	2,44E+00
90	3,02E+00	2,94E+00	3,05E+00	2,50E+00	6,84E+00	5,46E+00	3,83E+00	2,51E+00
100	3,12E+00	3,03E+00	3,12E+00	2,55E+00	7,15E+00	5,68E+00	3,95E+00	2,56E+00
120	3,30E+00	3,17E+00	3,24E+00	2,63E+00	7,63E+00	6,03E+00	4,14E+00	2,65E+00
180	3,63E+00	3,44E+00	3,46E+00	2,79E+00	8,45E+00	6,63E+00	4,45E+00	2,81E+00
200	3,70E+00	3,50E+00	3,50E+00	2,82E+00	8,60E+00	6,73E+00	4,51E+00	2,84E+00
300	3,87E+00	3,64E+00	3,62E+00	2,90E+00	8,94E+00	6,98E+00	4,65E+00	2,90E+00
360	3,91E+00	3,68E+00	3,64E+00	2,92E+00	9,01E+00	7,03E+00	4,67E+00	2,92E+00
365	3,91E+00	3,68E+00	3,65E+00	2,92E+00	9,01E+00	7,03E+00	4,67E+00	2,92E+00
400	3,93E+00	3,69E+00	3,66E+00	2,93E+00	9,03E+00	7,05E+00	4,68E+00	2,92E+00
500	3,95E+00	3,70E+00	3,67E+00	2,94E+00	9,05E+00	7,06E+00	4,69E+00	2,93E+00
600	3,95E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
700	3,95E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
800	3,95E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
900	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
1000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
2000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
3000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
4000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
5000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
6000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
8000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
10000	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
13500	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
14600	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
18250	3,96E+00	3,71E+00	3,67E+00	2,94E+00	9,06E+00	7,07E+00	4,69E+00	2,93E+00
Eff. Dosis	5,3E-10	5,2E-10	5,3E-10	4,3E-10	2,1E-09	1,6E-09	1,0E-09	6,1E-10
Gebärmutter	3,6E-10	5,0E-10	7,2E-10	6,6E-10	2,6E-10	4,2E-10	6,5E-10	6,1E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-58							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,1	fA=0,05	
1	2,80E-01	4,58E-01	7,15E-01	6,70E-01	9,17E-01	9,27E-01	6,92E-01
2	5,17E-01	7,85E-01	1,18E+00	1,09E+00	1,45E+00	1,46E+00	1,28E+00
3	7,12E-01	9,86E-01	1,40E+00	1,28E+00	1,65E+00	1,65E+00	1,79E+00
3,5	8,00E-01	1,06E+00	1,47E+00	1,33E+00	1,70E+00	1,69E+00	2,03E+00
4	8,85E-01	1,13E+00	1,51E+00	1,36E+00	1,74E+00	1,71E+00	2,25E+00
5	1,05E+00	1,24E+00	1,58E+00	1,40E+00	1,79E+00	1,74E+00	2,65E+00
6	1,20E+00	1,35E+00	1,64E+00	1,43E+00	1,83E+00	1,76E+00	3,03E+00
7	1,35E+00	1,46E+00	1,70E+00	1,45E+00	1,86E+00	1,78E+00	3,37E+00
8	1,50E+00	1,56E+00	1,75E+00	1,48E+00	1,89E+00	1,79E+00	3,69E+00
9	1,64E+00	1,66E+00	1,80E+00	1,50E+00	1,92E+00	1,81E+00	3,99E+00
10	1,78E+00	1,76E+00	1,85E+00	1,53E+00	1,95E+00	1,82E+00	4,27E+00
11	1,92E+00	1,86E+00	1,90E+00	1,55E+00	1,98E+00	1,84E+00	4,53E+00
12	2,05E+00	1,96E+00	1,95E+00	1,57E+00	2,01E+00	1,85E+00	4,79E+00
13	2,18E+00	2,05E+00	2,00E+00	1,59E+00	2,03E+00	1,86E+00	5,03E+00
14	2,31E+00	2,15E+00	2,05E+00	1,61E+00	2,05E+00	1,87E+00	5,27E+00
15	2,44E+00	2,24E+00	2,09E+00	1,63E+00	2,08E+00	1,89E+00	5,49E+00
20	3,06E+00	2,68E+00	2,31E+00	1,74E+00	2,18E+00	1,94E+00	6,50E+00
30	4,17E+00	3,48E+00	2,72E+00	1,92E+00	2,34E+00	2,02E+00	8,13E+00
40	5,16E+00	4,19E+00	3,08E+00	2,08E+00	2,47E+00	2,08E+00	9,42E+00
45	5,62E+00	4,52E+00	3,24E+00	2,16E+00	2,53E+00	2,11E+00	9,97E+00
50	6,04E+00	4,83E+00	3,40E+00	2,23E+00	2,58E+00	2,14E+00	1,05E+01
60	6,82E+00	5,39E+00	3,68E+00	2,35E+00	2,67E+00	2,18E+00	1,14E+01
70	7,52E+00	5,89E+00	3,93E+00	2,47E+00	2,74E+00	2,22E+00	1,22E+01
80	8,14E+00	6,33E+00	4,16E+00	2,57E+00	2,81E+00	2,25E+00	1,28E+01
90	8,68E+00	6,73E+00	4,36E+00	2,66E+00	2,87E+00	2,28E+00	1,34E+01
100	9,17E+00	7,08E+00	4,53E+00	2,74E+00	2,92E+00	2,31E+00	1,39E+01
120	9,99E+00	7,67E+00	4,83E+00	2,87E+00	3,00E+00	2,35E+00	1,47E+01
180	1,16E+01	8,80E+00	5,40E+00	3,13E+00	3,16E+00	2,43E+00	1,63E+01
200	1,19E+01	9,03E+00	5,52E+00	3,19E+00	3,19E+00	2,44E+00	1,66E+01
300	1,28E+01	9,65E+00	5,83E+00	3,33E+00	3,27E+00	2,48E+00	1,74E+01
360	1,30E+01	9,80E+00	5,91E+00	3,36E+00	3,29E+00	2,49E+00	1,76E+01
365	1,30E+01	9,81E+00	5,91E+00	3,37E+00	3,29E+00	2,49E+00	1,76E+01
400	1,30E+01	9,86E+00	5,94E+00	3,38E+00	3,29E+00	2,49E+00	1,77E+01
500	1,31E+01	9,92E+00	5,97E+00	3,39E+00	3,30E+00	2,50E+00	1,77E+01
600	1,32E+01	9,95E+00	5,98E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
700	1,32E+01	9,95E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
800	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
900	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
1000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
2000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
3000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
4000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
5000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
6000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
8000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
10000	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
13500	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
14600	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
18250	1,32E+01	9,96E+00	5,99E+00	3,40E+00	3,31E+00	2,50E+00	1,78E+01
Eff. Dosis	3,2E-09	2,4E-09	1,4E-09	7,9E-10	5,3E-10	4,5E-10	2,0E-09
Gebärmutter	1,8E-10	3,6E-10	6,2E-10	5,9E-10	1,0E-09	9,7E-10	1,5E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-60								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,62E-01	4,43E-01	7,02E-01	6,60E-01	2,77E-01	4,57E-01	7,15E-01	6,71E-01
2	4,55E-01	7,40E-01	1,15E+00	1,08E+00	5,09E-01	7,81E-01	1,18E+00	1,10E+00
3	5,95E-01	9,11E-01	1,38E+00	1,28E+00	6,96E-01	9,80E-01	1,41E+00	1,29E+00
3,5	6,53E-01	9,70E-01	1,44E+00	1,33E+00	7,80E-01	1,05E+00	1,47E+00	1,34E+00
4	7,04E-01	1,02E+00	1,49E+00	1,37E+00	8,60E-01	1,12E+00	1,52E+00	1,37E+00
5	7,97E-01	1,10E+00	1,56E+00	1,43E+00	1,01E+00	1,23E+00	1,59E+00	1,42E+00
6	8,80E-01	1,17E+00	1,62E+00	1,47E+00	1,16E+00	1,34E+00	1,66E+00	1,45E+00
7	9,57E-01	1,23E+00	1,67E+00	1,51E+00	1,30E+00	1,44E+00	1,71E+00	1,48E+00
8	1,03E+00	1,29E+00	1,72E+00	1,54E+00	1,44E+00	1,54E+00	1,77E+00	1,51E+00
9	1,09E+00	1,35E+00	1,77E+00	1,58E+00	1,57E+00	1,64E+00	1,82E+00	1,53E+00
10	1,16E+00	1,40E+00	1,81E+00	1,61E+00	1,71E+00	1,73E+00	1,87E+00	1,56E+00
11	1,22E+00	1,45E+00	1,85E+00	1,64E+00	1,84E+00	1,83E+00	1,92E+00	1,59E+00
12	1,28E+00	1,50E+00	1,89E+00	1,67E+00	1,97E+00	1,92E+00	1,97E+00	1,61E+00
13	1,33E+00	1,55E+00	1,93E+00	1,69E+00	2,09E+00	2,01E+00	2,02E+00	1,64E+00
14	1,39E+00	1,59E+00	1,97E+00	1,72E+00	2,22E+00	2,10E+00	2,07E+00	1,66E+00
15	1,44E+00	1,64E+00	2,00E+00	1,75E+00	2,34E+00	2,19E+00	2,12E+00	1,68E+00
20	1,68E+00	1,84E+00	2,17E+00	1,87E+00	2,95E+00	2,63E+00	2,35E+00	1,80E+00
30	2,11E+00	2,19E+00	2,45E+00	2,07E+00	4,09E+00	3,46E+00	2,79E+00	2,01E+00
40	2,48E+00	2,50E+00	2,71E+00	2,25E+00	5,15E+00	4,23E+00	3,20E+00	2,21E+00
45	2,65E+00	2,64E+00	2,82E+00	2,34E+00	5,66E+00	4,60E+00	3,40E+00	2,30E+00
50	2,82E+00	2,78E+00	2,93E+00	2,42E+00	6,15E+00	4,96E+00	3,59E+00	2,40E+00
60	3,13E+00	3,04E+00	3,15E+00	2,57E+00	7,09E+00	5,64E+00	3,95E+00	2,57E+00
70	3,43E+00	3,29E+00	3,35E+00	2,71E+00	7,98E+00	6,29E+00	4,28E+00	2,73E+00
80	3,72E+00	3,53E+00	3,54E+00	2,85E+00	8,81E+00	6,89E+00	4,60E+00	2,89E+00
90	3,99E+00	3,75E+00	3,72E+00	2,98E+00	9,60E+00	7,46E+00	4,91E+00	3,03E+00
100	4,26E+00	3,97E+00	3,89E+00	3,10E+00	1,03E+01	8,00E+00	5,19E+00	3,17E+00
120	4,76E+00	4,38E+00	4,23E+00	3,34E+00	1,17E+01	8,99E+00	5,71E+00	3,43E+00
180	6,08E+00	5,47E+00	5,10E+00	3,97E+00	1,50E+01	1,14E+01	6,99E+00	4,05E+00
200	6,48E+00	5,80E+00	5,37E+00	4,15E+00	1,59E+01	1,20E+01	7,33E+00	4,22E+00
300	8,23E+00	7,25E+00	6,52E+00	4,98E+00	1,92E+01	1,45E+01	8,65E+00	4,87E+00
360	9,13E+00	7,99E+00	7,12E+00	5,41E+00	2,06E+01	1,55E+01	9,22E+00	5,16E+00
365	9,21E+00	8,05E+00	7,17E+00	5,44E+00	2,07E+01	1,56E+01	9,26E+00	5,18E+00
400	9,69E+00	8,46E+00	7,49E+00	5,67E+00	2,14E+01	1,61E+01	9,53E+00	5,33E+00
500	1,10E+01	9,49E+00	8,33E+00	6,27E+00	2,29E+01	1,72E+01	1,02E+01	5,66E+00
600	1,20E+01	1,04E+01	9,06E+00	6,79E+00	2,41E+01	1,81E+01	1,07E+01	5,92E+00
700	1,30E+01	1,12E+01	9,69E+00	7,24E+00	2,50E+01	1,87E+01	1,10E+01	6,13E+00
800	1,38E+01	1,19E+01	1,03E+01	7,65E+00	2,58E+01	1,93E+01	1,14E+01	6,30E+00
900	1,45E+01	1,25E+01	1,07E+01	8,00E+00	2,64E+01	1,98E+01	1,16E+01	6,45E+00
1000	1,52E+01	1,30E+01	1,12E+01	8,31E+00	2,69E+01	2,02E+01	1,19E+01	6,58E+00
2000	1,88E+01	1,60E+01	1,37E+01	1,01E+01	2,97E+01	2,23E+01	1,31E+01	7,29E+00
3000	2,02E+01	1,72E+01	1,46E+01	1,08E+01	3,08E+01	2,30E+01	1,36E+01	7,56E+00
4000	2,08E+01	1,77E+01	1,51E+01	1,12E+01	3,12E+01	2,34E+01	1,38E+01	7,68E+00
5000	2,12E+01	1,80E+01	1,54E+01	1,14E+01	3,15E+01	2,36E+01	1,39E+01	7,75E+00
6000	2,14E+01	1,82E+01	1,55E+01	1,15E+01	3,16E+01	2,37E+01	1,40E+01	7,79E+00
8000	2,16E+01	1,84E+01	1,57E+01	1,16E+01	3,18E+01	2,38E+01	1,41E+01	7,83E+00
10000	2,17E+01	1,85E+01	1,57E+01	1,16E+01	3,18E+01	2,38E+01	1,41E+01	7,84E+00
13500	2,17E+01	1,85E+01	1,57E+01	1,16E+01	3,19E+01	2,39E+01	1,41E+01	7,85E+00
14600	2,17E+01	1,85E+01	1,57E+01	1,16E+01	3,19E+01	2,39E+01	1,41E+01	7,85E+00
18250	2,17E+01	1,85E+01	1,57E+01	1,16E+01	3,19E+01	2,39E+01	1,41E+01	7,85E+00
Eff. Dosis	5,8E-09	5,0E-09	4,2E-09	3,1E-09	1,4E-08	1,1E-08	6,2E-09	3,4E-09
Gebärmutter	3,7E-09	3,6E-09	3,7E-09	3,0E-09	2,8E-09	2,7E-09	2,6E-09	2,0E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Co-60							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,1	fA=0,05	
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,21E-01	9,31E-01	6,95E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,46E+00	1,47E+00	1,29E+00
3	7,22E-01	9,98E-01	1,42E+00	1,30E+00	1,67E+00	1,66E+00	1,82E+00
3,5	8,12E-01	1,07E+00	1,48E+00	1,34E+00	1,72E+00	1,70E+00	2,06E+00
4	9,00E-01	1,14E+00	1,53E+00	1,38E+00	1,76E+00	1,73E+00	2,29E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,81E+00	1,76E+00	2,71E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,85E+00	1,78E+00	3,10E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,89E+00	1,80E+00	3,47E+00
8	1,55E+00	1,60E+00	1,78E+00	1,50E+00	1,92E+00	1,82E+00	3,81E+00
9	1,70E+00	1,71E+00	1,84E+00	1,53E+00	1,95E+00	1,83E+00	4,13E+00
10	1,85E+00	1,82E+00	1,89E+00	1,55E+00	1,99E+00	1,85E+00	4,44E+00
11	2,01E+00	1,93E+00	1,95E+00	1,58E+00	2,02E+00	1,86E+00	4,73E+00
12	2,16E+00	2,04E+00	2,00E+00	1,60E+00	2,04E+00	1,88E+00	5,02E+00
13	2,30E+00	2,14E+00	2,06E+00	1,63E+00	2,07E+00	1,89E+00	5,29E+00
14	2,45E+00	2,25E+00	2,11E+00	1,65E+00	2,10E+00	1,91E+00	5,56E+00
15	2,60E+00	2,36E+00	2,16E+00	1,67E+00	2,12E+00	1,92E+00	5,82E+00
20	3,32E+00	2,88E+00	2,43E+00	1,79E+00	2,24E+00	1,98E+00	7,01E+00
30	4,74E+00	3,89E+00	2,94E+00	2,03E+00	2,45E+00	2,08E+00	9,07E+00
40	6,11E+00	4,88E+00	3,44E+00	2,25E+00	2,63E+00	2,17E+00	1,09E+01
45	6,79E+00	5,37E+00	3,68E+00	2,36E+00	2,71E+00	2,21E+00	1,17E+01
50	7,46E+00	5,85E+00	3,92E+00	2,47E+00	2,79E+00	2,25E+00	1,25E+01
60	8,77E+00	6,79E+00	4,40E+00	2,69E+00	2,94E+00	2,33E+00	1,40E+01
70	1,01E+01	7,71E+00	4,86E+00	2,90E+00	3,09E+00	2,40E+00	1,54E+01
80	1,13E+01	8,61E+00	5,32E+00	3,10E+00	3,22E+00	2,47E+00	1,68E+01
90	1,25E+01	9,49E+00	5,76E+00	3,30E+00	3,35E+00	2,53E+00	1,81E+01
100	1,37E+01	1,04E+01	6,20E+00	3,50E+00	3,47E+00	2,59E+00	1,93E+01
120	1,60E+01	1,20E+01	7,04E+00	3,88E+00	3,71E+00	2,71E+00	2,16E+01
180	2,24E+01	1,66E+01	9,35E+00	4,93E+00	4,33E+00	3,02E+00	2,78E+01
200	2,44E+01	1,80E+01	1,01E+01	5,25E+00	4,51E+00	3,11E+00	2,97E+01
300	3,30E+01	2,42E+01	1,32E+01	6,68E+00	5,32E+00	3,52E+00	3,78E+01
360	3,75E+01	2,75E+01	1,48E+01	7,43E+00	5,75E+00	3,73E+00	4,20E+01
365	3,79E+01	2,77E+01	1,50E+01	7,49E+00	5,78E+00	3,75E+00	4,24E+01
400	4,03E+01	2,95E+01	1,59E+01	7,89E+00	6,01E+00	3,86E+00	4,46E+01
500	4,64E+01	3,39E+01	1,81E+01	8,92E+00	6,60E+00	4,16E+00	5,06E+01
600	5,18E+01	3,78E+01	2,01E+01	9,82E+00	7,12E+00	4,42E+00	5,57E+01
700	5,65E+01	4,12E+01	2,18E+01	1,06E+01	7,57E+00	4,64E+00	6,03E+01
800	6,08E+01	4,43E+01	2,34E+01	1,13E+01	7,97E+00	4,84E+00	6,43E+01
900	6,47E+01	4,71E+01	2,48E+01	1,20E+01	8,33E+00	5,02E+00	6,79E+01
1000	6,83E+01	4,97E+01	2,61E+01	1,26E+01	8,65E+00	5,18E+00	7,10E+01
2000	9,45E+01	6,86E+01	3,58E+01	1,71E+01	1,05E+01	6,10E+00	8,93E+01
3000	1,11E+02	8,01E+01	4,17E+01	1,98E+01	1,12E+01	6,46E+00	9,67E+01
4000	1,21E+02	8,74E+01	4,54E+01	2,15E+01	1,16E+01	6,64E+00	1,00E+02
5000	1,27E+02	9,20E+01	4,77E+01	2,26E+01	1,18E+01	6,73E+00	1,02E+02
6000	1,31E+02	9,49E+01	4,92E+01	2,33E+01	1,19E+01	6,79E+00	1,03E+02
8000	1,35E+02	9,79E+01	5,07E+01	2,40E+01	1,20E+01	6,84E+00	1,04E+02
10000	1,37E+02	9,91E+01	5,14E+01	2,42E+01	1,20E+01	6,86E+00	1,05E+02
13500	1,38E+02	9,97E+01	5,17E+01	2,44E+01	1,20E+01	6,88E+00	1,05E+02
14600	1,38E+02	9,97E+01	5,17E+01	2,44E+01	1,20E+01	6,88E+00	1,05E+02
18250	1,38E+02	9,97E+01	5,17E+01	2,44E+01	1,20E+01	6,88E+00	1,05E+02
Eff. Dosis	8,1E-08	5,9E-08	3,1E-08	1,5E-08	3,2E-09	2,1E-09	2,4E-08
Gebärmutter	2,2E-09	2,1E-09	2,1E-09	1,7E-09	3,9E-09	3,1E-09	1,9E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ni-57								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,22E-02	2,10E-02	3,36E-02	3,17E-02	1,22E-02	2,10E-02	3,36E-02	3,17E-02
0,08333	2,41E-02	4,14E-02	6,61E-02	6,23E-02	2,41E-02	4,14E-02	6,61E-02	6,23E-02
0,125	3,56E-02	6,11E-02	9,74E-02	9,19E-02	3,57E-02	6,11E-02	9,75E-02	9,19E-02
0,1667	4,67E-02	8,01E-02	1,28E-01	1,21E-01	4,70E-02	8,03E-02	1,28E-01	1,21E-01
0,2083	5,75E-02	9,85E-02	1,57E-01	1,48E-01	5,80E-02	9,89E-02	1,58E-01	1,48E-01
0,25	6,79E-02	1,16E-01	1,86E-01	1,75E-01	6,87E-02	1,17E-01	1,86E-01	1,75E-01
0,2917	7,79E-02	1,34E-01	2,13E-01	2,01E-01	7,91E-02	1,35E-01	2,14E-01	2,02E-01
0,3333	8,75E-02	1,50E-01	2,40E-01	2,26E-01	8,93E-02	1,52E-01	2,41E-01	2,27E-01
0,375	9,67E-02	1,66E-01	2,66E-01	2,50E-01	9,92E-02	1,68E-01	2,67E-01	2,52E-01
0,4167	1,06E-01	1,82E-01	2,91E-01	2,74E-01	1,09E-01	1,84E-01	2,93E-01	2,75E-01
0,4583	1,14E-01	1,97E-01	3,15E-01	2,97E-01	1,18E-01	2,00E-01	3,17E-01	2,99E-01
0,5	1,22E-01	2,11E-01	3,38E-01	3,19E-01	1,27E-01	2,15E-01	3,41E-01	3,21E-01
0,5417	1,30E-01	2,25E-01	3,61E-01	3,40E-01	1,36E-01	2,30E-01	3,65E-01	3,43E-01
0,5833	1,38E-01	2,39E-01	3,83E-01	3,61E-01	1,45E-01	2,45E-01	3,87E-01	3,64E-01
0,625	1,45E-01	2,52E-01	4,04E-01	3,81E-01	1,54E-01	2,59E-01	4,09E-01	3,85E-01
0,6667	1,52E-01	2,65E-01	4,25E-01	4,01E-01	1,62E-01	2,72E-01	4,30E-01	4,05E-01
0,7083	1,59E-01	2,77E-01	4,44E-01	4,20E-01	1,70E-01	2,85E-01	4,51E-01	4,24E-01
0,75	1,66E-01	2,89E-01	4,64E-01	4,38E-01	1,78E-01	2,98E-01	4,71E-01	4,43E-01
0,7917	1,72E-01	3,00E-01	4,82E-01	4,55E-01	1,85E-01	3,10E-01	4,90E-01	4,61E-01
0,8333	1,78E-01	3,11E-01	5,00E-01	4,72E-01	1,93E-01	3,22E-01	5,09E-01	4,78E-01
0,875	1,84E-01	3,21E-01	5,17E-01	4,89E-01	2,00E-01	3,34E-01	5,26E-01	4,95E-01
0,9167	1,90E-01	3,32E-01	5,34E-01	5,04E-01	2,07E-01	3,45E-01	5,44E-01	5,11E-01
0,9583	1,95E-01	3,41E-01	5,50E-01	5,19E-01	2,14E-01	3,56E-01	5,61E-01	5,27E-01
1	2,00E-01	3,51E-01	5,65E-01	5,34E-01	2,20E-01	3,67E-01	5,77E-01	5,42E-01
1,083	2,10E-01	3,69E-01	5,94E-01	5,61E-01	2,33E-01	3,87E-01	6,07E-01	5,70E-01
1,167	2,19E-01	3,85E-01	6,21E-01	5,87E-01	2,45E-01	4,05E-01	6,35E-01	5,96E-01
1,25	2,28E-01	4,00E-01	6,45E-01	6,10E-01	2,56E-01	4,22E-01	6,61E-01	6,20E-01
1,333	2,35E-01	4,14E-01	6,68E-01	6,31E-01	2,67E-01	4,38E-01	6,85E-01	6,42E-01
1,417	2,43E-01	4,27E-01	6,88E-01	6,50E-01	2,77E-01	4,53E-01	7,07E-01	6,63E-01
1,5	2,49E-01	4,38E-01	7,07E-01	6,68E-01	2,87E-01	4,67E-01	7,27E-01	6,81E-01
1,667	2,61E-01	4,58E-01	7,39E-01	6,99E-01	3,04E-01	4,91E-01	7,62E-01	7,13E-01
1,833	2,71E-01	4,75E-01	7,66E-01	7,23E-01	3,20E-01	5,12E-01	7,90E-01	7,39E-01
2	2,79E-01	4,89E-01	7,87E-01	7,44E-01	3,33E-01	5,29E-01	8,14E-01	7,60E-01
3	3,10E-01	5,32E-01	8,51E-01	8,02E-01	3,90E-01	5,91E-01	8,86E-01	8,22E-01
4	3,22E-01	5,46E-01	8,67E-01	8,16E-01	4,20E-01	6,16E-01	9,07E-01	8,38E-01
5	3,29E-01	5,52E-01	8,72E-01	8,21E-01	4,38E-01	6,29E-01	9,15E-01	8,43E-01
6	3,32E-01	5,55E-01	8,75E-01	8,22E-01	4,49E-01	6,37E-01	9,20E-01	8,45E-01
7	3,34E-01	5,57E-01	8,76E-01	8,23E-01	4,55E-01	6,42E-01	9,22E-01	8,46E-01
8	3,36E-01	5,58E-01	8,77E-01	8,24E-01	4,59E-01	6,45E-01	9,24E-01	8,47E-01
9	3,36E-01	5,58E-01	8,77E-01	8,24E-01	4,62E-01	6,46E-01	9,25E-01	8,47E-01
10	3,37E-01	5,59E-01	8,78E-01	8,24E-01	4,63E-01	6,47E-01	9,25E-01	8,47E-01
11	3,37E-01	5,59E-01	8,78E-01	8,24E-01	4,64E-01	6,48E-01	9,26E-01	8,48E-01
12	3,37E-01	5,59E-01	8,78E-01	8,24E-01	4,65E-01	6,49E-01	9,26E-01	8,48E-01
13	3,37E-01	5,59E-01	8,78E-01	8,25E-01	4,65E-01	6,49E-01	9,26E-01	8,48E-01
14	3,37E-01	5,59E-01	8,78E-01	8,25E-01	4,65E-01	6,49E-01	9,26E-01	8,48E-01
15	3,38E-01	5,59E-01	8,78E-01	8,25E-01	4,65E-01	6,49E-01	9,26E-01	8,48E-01
16	3,38E-01	5,59E-01	8,78E-01	8,25E-01	4,65E-01	6,49E-01	9,26E-01	8,48E-01
17	3,38E-01	5,59E-01	8,78E-01	8,25E-01	4,65E-01	6,49E-01	9,26E-01	8,48E-01
18	3,38E-01	5,59E-01	8,78E-01	8,25E-01	4,66E-01	6,49E-01	9,26E-01	8,48E-01
Eff. Dosis	1,2E-10	2,1E-10	3,3E-10	3,1E-10	2,7E-10	3,1E-10	4,0E-10	3,5E-10
Gebärmutter	1,3E-10	2,9E-10	5,1E-10	5,0E-10	1,0E-10	2,8E-10	5,3E-10	5,1E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ni-57								
Zeit (d)	Inhalation Typ S				Gas/Dampf Nickel- carbonyl	Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		fA=0,05	fA=0,01	
0,04167	1,22E-02	2,10E-02	3,36E-02	3,17E-02	4,13E-02	4,13E-02	4,13E-02	4,09E-02
0,08333	2,41E-02	4,14E-02	6,61E-02	6,23E-02	8,16E-02	8,17E-02	8,17E-02	7,96E-02
0,125	3,57E-02	6,12E-02	9,75E-02	9,19E-02	1,21E-01	1,21E-01	1,21E-01	1,16E-01
0,1667	4,70E-02	8,04E-02	1,28E-01	1,21E-01	1,59E-01	1,60E-01	1,60E-01	1,49E-01
0,2083	5,81E-02	9,90E-02	1,58E-01	1,49E-01	1,96E-01	1,98E-01	1,98E-01	1,80E-01
0,25	6,89E-02	1,17E-01	1,86E-01	1,76E-01	2,32E-01	2,36E-01	2,36E-01	2,09E-01
0,2917	7,94E-02	1,35E-01	2,14E-01	2,02E-01	2,66E-01	2,72E-01	2,72E-01	2,37E-01
0,3333	8,97E-02	1,52E-01	2,41E-01	2,27E-01	2,99E-01	3,08E-01	3,08E-01	2,63E-01
0,375	9,98E-02	1,69E-01	2,68E-01	2,52E-01	3,31E-01	3,42E-01	3,43E-01	2,88E-01
0,4167	1,10E-01	1,85E-01	2,93E-01	2,76E-01	3,62E-01	3,76E-01	3,77E-01	3,11E-01
0,4583	1,19E-01	2,01E-01	3,18E-01	2,99E-01	3,91E-01	4,09E-01	4,10E-01	3,34E-01
0,5	1,29E-01	2,16E-01	3,42E-01	3,22E-01	4,19E-01	4,41E-01	4,43E-01	3,56E-01
0,5417	1,38E-01	2,31E-01	3,65E-01	3,44E-01	4,47E-01	4,72E-01	4,74E-01	3,77E-01
0,5833	1,47E-01	2,46E-01	3,88E-01	3,65E-01	4,73E-01	5,02E-01	5,05E-01	3,97E-01
0,625	1,56E-01	2,60E-01	4,10E-01	3,86E-01	4,98E-01	5,32E-01	5,34E-01	4,17E-01
0,6667	1,64E-01	2,74E-01	4,32E-01	4,06E-01	5,23E-01	5,60E-01	5,63E-01	4,36E-01
0,7083	1,72E-01	2,87E-01	4,52E-01	4,25E-01	5,46E-01	5,87E-01	5,90E-01	4,54E-01
0,75	1,80E-01	3,00E-01	4,72E-01	4,44E-01	5,68E-01	6,13E-01	6,17E-01	4,71E-01
0,7917	1,88E-01	3,13E-01	4,92E-01	4,62E-01	5,90E-01	6,39E-01	6,43E-01	4,88E-01
0,8333	1,96E-01	3,25E-01	5,11E-01	4,79E-01	6,11E-01	6,63E-01	6,68E-01	5,05E-01
0,875	2,04E-01	3,37E-01	5,29E-01	4,96E-01	6,31E-01	6,87E-01	6,91E-01	5,21E-01
0,9167	2,11E-01	3,49E-01	5,46E-01	5,13E-01	6,50E-01	7,09E-01	7,14E-01	5,36E-01
0,9583	2,18E-01	3,60E-01	5,63E-01	5,28E-01	6,69E-01	7,31E-01	7,36E-01	5,51E-01
1	2,25E-01	3,70E-01	5,79E-01	5,44E-01	6,86E-01	7,51E-01	7,57E-01	5,65E-01
1,083	2,39E-01	3,91E-01	6,10E-01	5,72E-01	7,20E-01	7,90E-01	7,96E-01	5,92E-01
1,167	2,51E-01	4,10E-01	6,39E-01	5,99E-01	7,51E-01	8,25E-01	8,31E-01	6,17E-01
1,25	2,63E-01	4,28E-01	6,65E-01	6,23E-01	7,80E-01	8,56E-01	8,63E-01	6,41E-01
1,333	2,75E-01	4,44E-01	6,89E-01	6,45E-01	8,06E-01	8,85E-01	8,92E-01	6,63E-01
1,417	2,86E-01	4,60E-01	7,12E-01	6,66E-01	8,30E-01	9,10E-01	9,18E-01	6,83E-01
1,5	2,96E-01	4,74E-01	7,32E-01	6,84E-01	8,53E-01	9,33E-01	9,41E-01	7,03E-01
1,667	3,15E-01	4,99E-01	7,67E-01	7,16E-01	8,92E-01	9,71E-01	9,80E-01	7,38E-01
1,833	3,31E-01	5,21E-01	7,96E-01	7,43E-01	9,26E-01	1,00E+00	1,01E+00	7,69E-01
2	3,46E-01	5,39E-01	8,20E-01	7,64E-01	9,55E-01	1,03E+00	1,03E+00	7,96E-01
3	4,09E-01	6,05E-01	8,94E-01	8,27E-01	1,06E+00	1,09E+00	1,09E+00	9,05E-01
4	4,44E-01	6,33E-01	9,17E-01	8,43E-01	1,11E+00	1,10E+00	1,10E+00	9,61E-01
5	4,65E-01	6,49E-01	9,26E-01	8,48E-01	1,13E+00	1,10E+00	1,10E+00	9,92E-01
6	4,78E-01	6,57E-01	9,31E-01	8,50E-01	1,14E+00	1,10E+00	1,10E+00	1,01E+00
7	4,85E-01	6,63E-01	9,34E-01	8,52E-01	1,15E+00	1,10E+00	1,11E+00	1,02E+00
8	4,90E-01	6,66E-01	9,35E-01	8,52E-01	1,16E+00	1,10E+00	1,11E+00	1,03E+00
9	4,93E-01	6,68E-01	9,36E-01	8,53E-01	1,16E+00	1,10E+00	1,11E+00	1,03E+00
10	4,95E-01	6,70E-01	9,37E-01	8,53E-01	1,16E+00	1,10E+00	1,11E+00	1,04E+00
11	4,96E-01	6,70E-01	9,38E-01	8,53E-01	1,16E+00	1,10E+00	1,11E+00	1,04E+00
12	4,97E-01	6,71E-01	9,38E-01	8,53E-01	1,16E+00	1,10E+00	1,11E+00	1,04E+00
13	4,97E-01	6,71E-01	9,38E-01	8,54E-01	1,16E+00	1,10E+00	1,11E+00	1,04E+00
14	4,97E-01	6,71E-01	9,38E-01	8,54E-01	1,16E+00	1,10E+00	1,11E+00	1,04E+00
15	4,98E-01	6,72E-01	9,38E-01	8,54E-01	1,17E+00	1,10E+00	1,11E+00	1,04E+00
16	4,98E-01	6,72E-01	9,38E-01	8,54E-01	1,17E+00	1,10E+00	1,11E+00	1,04E+00
17	4,98E-01	6,72E-01	9,38E-01	8,54E-01	1,17E+00	1,10E+00	1,11E+00	1,04E+00
18	4,98E-01	6,72E-01	9,38E-01	8,54E-01	1,17E+00	1,10E+00	1,11E+00	1,04E+00
Eff. Dosis	3,2E-10	3,4E-10	4,1E-10	3,6E-10	5,1E-10	4,9E-10	4,9E-10	2,2E-10
Gebärmutter	9,4E-11	2,8E-10	5,3E-10	5,2E-10	4,6E-10	9,2E-10	9,4E-10	3,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cu-64								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,20E-02	2,06E-02	3,30E-02	3,11E-02	1,20E-02	2,06E-02	3,30E-02	3,11E-02
0,08333	2,33E-02	4,00E-02	6,38E-02	6,02E-02	2,33E-02	4,00E-02	6,38E-02	6,02E-02
0,125	3,39E-02	5,81E-02	9,26E-02	8,73E-02	3,39E-02	5,81E-02	9,26E-02	8,73E-02
0,1667	4,39E-02	7,51E-02	1,20E-01	1,13E-01	4,39E-02	7,51E-02	1,20E-01	1,13E-01
0,2083	5,34E-02	9,10E-02	1,45E-01	1,37E-01	5,34E-02	9,10E-02	1,45E-01	1,37E-01
0,25	6,23E-02	1,06E-01	1,69E-01	1,59E-01	6,23E-02	1,06E-01	1,69E-01	1,59E-01
0,2917	7,07E-02	1,20E-01	1,91E-01	1,80E-01	7,07E-02	1,20E-01	1,91E-01	1,80E-01
0,3333	7,86E-02	1,33E-01	2,12E-01	1,99E-01	7,86E-02	1,33E-01	2,11E-01	1,99E-01
0,375	8,61E-02	1,46E-01	2,31E-01	2,18E-01	8,60E-02	1,46E-01	2,31E-01	2,17E-01
0,4167	9,31E-02	1,57E-01	2,50E-01	2,35E-01	9,31E-02	1,57E-01	2,49E-01	2,35E-01
0,4583	9,98E-02	1,68E-01	2,67E-01	2,51E-01	9,97E-02	1,68E-01	2,66E-01	2,51E-01
0,5	1,06E-01	1,79E-01	2,83E-01	2,66E-01	1,06E-01	1,79E-01	2,83E-01	2,66E-01
0,5417	1,12E-01	1,89E-01	2,98E-01	2,80E-01	1,12E-01	1,88E-01	2,98E-01	2,80E-01
0,5833	1,18E-01	1,98E-01	3,12E-01	2,94E-01	1,18E-01	1,97E-01	3,12E-01	2,93E-01
0,625	1,23E-01	2,06E-01	3,26E-01	3,06E-01	1,23E-01	2,06E-01	3,25E-01	3,06E-01
0,6667	1,28E-01	2,14E-01	3,38E-01	3,18E-01	1,28E-01	2,14E-01	3,38E-01	3,17E-01
0,7083	1,33E-01	2,22E-01	3,50E-01	3,29E-01	1,32E-01	2,21E-01	3,49E-01	3,28E-01
0,75	1,37E-01	2,29E-01	3,61E-01	3,40E-01	1,37E-01	2,29E-01	3,60E-01	3,38E-01
0,7917	1,41E-01	2,36E-01	3,72E-01	3,49E-01	1,41E-01	2,35E-01	3,70E-01	3,48E-01
0,8333	1,45E-01	2,42E-01	3,82E-01	3,59E-01	1,45E-01	2,41E-01	3,80E-01	3,57E-01
0,875	1,49E-01	2,48E-01	3,91E-01	3,67E-01	1,49E-01	2,47E-01	3,89E-01	3,65E-01
0,9167	1,52E-01	2,54E-01	3,99E-01	3,75E-01	1,52E-01	2,53E-01	3,97E-01	3,73E-01
0,9583	1,56E-01	2,59E-01	4,08E-01	3,83E-01	1,55E-01	2,58E-01	4,05E-01	3,80E-01
1	1,59E-01	2,64E-01	4,15E-01	3,90E-01	1,58E-01	2,62E-01	4,12E-01	3,87E-01
1,083	1,65E-01	2,73E-01	4,29E-01	4,03E-01	1,64E-01	2,71E-01	4,25E-01	3,99E-01
1,167	1,70E-01	2,81E-01	4,41E-01	4,14E-01	1,69E-01	2,78E-01	4,36E-01	4,09E-01
1,25	1,74E-01	2,88E-01	4,52E-01	4,24E-01	1,73E-01	2,85E-01	4,46E-01	4,18E-01
1,333	1,78E-01	2,94E-01	4,61E-01	4,33E-01	1,77E-01	2,91E-01	4,54E-01	4,26E-01
1,417	1,82E-01	3,00E-01	4,70E-01	4,41E-01	1,81E-01	2,96E-01	4,61E-01	4,32E-01
1,5	1,85E-01	3,05E-01	4,77E-01	4,47E-01	1,84E-01	3,00E-01	4,67E-01	4,38E-01
1,667	1,90E-01	3,13E-01	4,89E-01	4,59E-01	1,89E-01	3,07E-01	4,77E-01	4,47E-01
1,833	1,95E-01	3,19E-01	4,99E-01	4,67E-01	1,93E-01	3,12E-01	4,84E-01	4,53E-01
2	1,98E-01	3,24E-01	5,06E-01	4,74E-01	1,96E-01	3,16E-01	4,90E-01	4,58E-01
3	2,08E-01	3,38E-01	5,26E-01	4,93E-01	2,04E-01	3,25E-01	5,01E-01	4,68E-01
4	2,10E-01	3,41E-01	5,31E-01	4,97E-01	2,06E-01	3,27E-01	5,03E-01	4,70E-01
5	2,11E-01	3,42E-01	5,32E-01	4,98E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
6	2,11E-01	3,43E-01	5,32E-01	4,98E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
7	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
8	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
9	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
10	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
11	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
12	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
13	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
14	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
15	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
16	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
17	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
18	2,11E-01	3,43E-01	5,33E-01	4,99E-01	2,07E-01	3,28E-01	5,04E-01	4,70E-01
Eff. Dosis	1,7E-11	2,7E-11	4,2E-11	3,9E-11	5,9E-11	5,7E-11	6,7E-11	5,4E-11
Gebärmutter	5,4E-12	9,5E-12	1,5E-11	1,5E-11	4,0E-12	1,1E-11	2,1E-11	2,1E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cu-64						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,20E-02	2,06E-02	3,30E-02	3,11E-02	4,06E-02	4,06E-02
0,08333	2,33E-02	4,00E-02	6,38E-02	6,02E-02	7,89E-02	7,89E-02
0,125	3,39E-02	5,81E-02	9,26E-02	8,73E-02	1,15E-01	1,15E-01
0,1667	4,39E-02	7,51E-02	1,20E-01	1,13E-01	1,50E-01	1,50E-01
0,2083	5,34E-02	9,10E-02	1,45E-01	1,37E-01	1,82E-01	1,82E-01
0,25	6,23E-02	1,06E-01	1,69E-01	1,59E-01	2,13E-01	2,13E-01
0,2917	7,07E-02	1,20E-01	1,91E-01	1,80E-01	2,42E-01	2,42E-01
0,3333	7,86E-02	1,33E-01	2,11E-01	1,99E-01	2,70E-01	2,70E-01
0,375	8,60E-02	1,46E-01	2,31E-01	2,17E-01	2,96E-01	2,96E-01
0,4167	9,31E-02	1,57E-01	2,49E-01	2,35E-01	3,20E-01	3,21E-01
0,4583	9,97E-02	1,68E-01	2,66E-01	2,51E-01	3,43E-01	3,44E-01
0,5	1,06E-01	1,79E-01	2,83E-01	2,66E-01	3,65E-01	3,67E-01
0,5417	1,12E-01	1,88E-01	2,98E-01	2,80E-01	3,86E-01	3,88E-01
0,5833	1,18E-01	1,97E-01	3,12E-01	2,93E-01	4,05E-01	4,07E-01
0,625	1,23E-01	2,06E-01	3,25E-01	3,06E-01	4,23E-01	4,26E-01
0,6667	1,28E-01	2,14E-01	3,37E-01	3,17E-01	4,40E-01	4,44E-01
0,7083	1,32E-01	2,21E-01	3,49E-01	3,28E-01	4,56E-01	4,61E-01
0,75	1,37E-01	2,28E-01	3,60E-01	3,38E-01	4,71E-01	4,77E-01
0,7917	1,41E-01	2,35E-01	3,70E-01	3,48E-01	4,85E-01	4,92E-01
0,8333	1,45E-01	2,41E-01	3,80E-01	3,57E-01	4,99E-01	5,06E-01
0,875	1,49E-01	2,47E-01	3,88E-01	3,65E-01	5,11E-01	5,20E-01
0,9167	1,52E-01	2,52E-01	3,97E-01	3,72E-01	5,23E-01	5,32E-01
0,9583	1,55E-01	2,57E-01	4,04E-01	3,80E-01	5,33E-01	5,44E-01
1	1,58E-01	2,62E-01	4,11E-01	3,86E-01	5,43E-01	5,56E-01
1,083	1,64E-01	2,71E-01	4,24E-01	3,98E-01	5,62E-01	5,77E-01
1,167	1,69E-01	2,78E-01	4,35E-01	4,08E-01	5,78E-01	5,96E-01
1,25	1,73E-01	2,85E-01	4,45E-01	4,17E-01	5,91E-01	6,12E-01
1,333	1,77E-01	2,90E-01	4,53E-01	4,25E-01	6,04E-01	6,27E-01
1,417	1,81E-01	2,95E-01	4,60E-01	4,31E-01	6,14E-01	6,41E-01
1,5	1,84E-01	2,99E-01	4,66E-01	4,37E-01	6,23E-01	6,53E-01
1,667	1,88E-01	3,06E-01	4,75E-01	4,45E-01	6,38E-01	6,73E-01
1,833	1,92E-01	3,11E-01	4,82E-01	4,51E-01	6,49E-01	6,89E-01
2	1,95E-01	3,14E-01	4,87E-01	4,55E-01	6,58E-01	7,02E-01
3	2,04E-01	3,23E-01	4,97E-01	4,64E-01	6,81E-01	7,41E-01
4	2,06E-01	3,25E-01	4,98E-01	4,65E-01	6,87E-01	7,51E-01
5	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,54E-01
6	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
7	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
8	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
9	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
10	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
11	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
12	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
13	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
14	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
15	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
16	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
17	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
18	2,06E-01	3,25E-01	4,99E-01	4,65E-01	6,88E-01	7,55E-01
Eff. Dosis	6,5E-11	6,1E-11	6,9E-11	5,5E-11	5,4E-11	4,4E-11
Gebärmutter	3,7E-12	1,2E-11	2,2E-11	2,2E-11	3,3E-11	1,8E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cu-67								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,48E-01	4,10E-01	6,42E-01	6,02E-01	2,47E-01	4,06E-01	6,35E-01	5,95E-01
2	4,21E-01	6,74E-01	1,04E+00	9,71E-01	4,11E-01	6,37E-01	9,66E-01	8,99E-01
3	5,43E-01	8,47E-01	1,29E+00	1,20E+00	5,18E-01	7,54E-01	1,11E+00	1,02E+00
3,5	5,92E-01	9,14E-01	1,38E+00	1,29E+00	5,57E-01	7,92E-01	1,15E+00	1,05E+00
4	6,33E-01	9,70E-01	1,46E+00	1,36E+00	5,91E-01	8,23E-01	1,17E+00	1,07E+00
5	7,00E-01	1,06E+00	1,59E+00	1,47E+00	6,45E-01	8,69E-01	1,21E+00	1,10E+00
6	7,51E-01	1,13E+00	1,69E+00	1,56E+00	6,85E-01	9,03E-01	1,24E+00	1,12E+00
7	7,89E-01	1,18E+00	1,76E+00	1,63E+00	7,14E-01	9,28E-01	1,26E+00	1,14E+00
8	8,18E-01	1,22E+00	1,81E+00	1,67E+00	7,37E-01	9,47E-01	1,28E+00	1,15E+00
9	8,40E-01	1,25E+00	1,85E+00	1,71E+00	7,54E-01	9,61E-01	1,29E+00	1,16E+00
10	8,56E-01	1,27E+00	1,88E+00	1,74E+00	7,67E-01	9,72E-01	1,30E+00	1,17E+00
11	8,68E-01	1,29E+00	1,91E+00	1,76E+00	7,77E-01	9,80E-01	1,31E+00	1,17E+00
12	8,78E-01	1,30E+00	1,92E+00	1,78E+00	7,84E-01	9,87E-01	1,31E+00	1,17E+00
13	8,85E-01	1,31E+00	1,94E+00	1,79E+00	7,90E-01	9,91E-01	1,31E+00	1,18E+00
14	8,90E-01	1,32E+00	1,95E+00	1,80E+00	7,94E-01	9,95E-01	1,32E+00	1,18E+00
15	8,94E-01	1,32E+00	1,95E+00	1,80E+00	7,97E-01	9,98E-01	1,32E+00	1,18E+00
20	9,04E-01	1,33E+00	1,97E+00	1,82E+00	8,05E-01	1,00E+00	1,33E+00	1,18E+00
30	9,07E-01	1,34E+00	1,98E+00	1,82E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
40	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
45	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
50	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
60	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
70	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
80	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
90	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
100	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
120	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
180	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
200	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
300	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
360	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
365	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
400	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
500	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
600	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
700	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
800	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
900	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
1000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
2000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
3000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
4000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
5000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
6000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
8000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
10000	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
13500	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
14600	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
18250	9,07E-01	1,34E+00	1,98E+00	1,83E+00	8,07E-01	1,01E+00	1,33E+00	1,19E+00
Eff. Dosis	5,0E-11	7,5E-11	1,1E-10	1,0E-10	3,0E-10	2,2E-10	1,9E-10	1,4E-10
Gebärmutter	3,2E-11	4,8E-11	7,2E-11	6,7E-11	1,4E-11	3,2E-11	5,6E-11	5,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cu-67						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,47E-01	4,05E-01	6,34E-01	5,94E-01	8,46E-01	8,74E-01
2	4,10E-01	6,30E-01	9,54E-01	8,87E-01	1,34E+00	1,53E+00
3	5,13E-01	7,38E-01	1,07E+00	9,89E-01	1,63E+00	2,02E+00
3,5	5,51E-01	7,70E-01	1,10E+00	1,01E+00	1,73E+00	2,21E+00
4	5,83E-01	7,95E-01	1,12E+00	1,02E+00	1,82E+00	2,38E+00
5	6,34E-01	8,33E-01	1,14E+00	1,04E+00	1,96E+00	2,66E+00
6	6,71E-01	8,60E-01	1,16E+00	1,04E+00	2,07E+00	2,87E+00
7	6,99E-01	8,80E-01	1,17E+00	1,05E+00	2,15E+00	3,03E+00
8	7,20E-01	8,95E-01	1,18E+00	1,05E+00	2,21E+00	3,15E+00
9	7,36E-01	9,06E-01	1,18E+00	1,05E+00	2,25E+00	3,24E+00
10	7,48E-01	9,15E-01	1,19E+00	1,06E+00	2,29E+00	3,31E+00
11	7,57E-01	9,21E-01	1,19E+00	1,06E+00	2,31E+00	3,36E+00
12	7,64E-01	9,26E-01	1,19E+00	1,06E+00	2,33E+00	3,40E+00
13	7,70E-01	9,30E-01	1,20E+00	1,06E+00	2,35E+00	3,43E+00
14	7,73E-01	9,33E-01	1,20E+00	1,06E+00	2,36E+00	3,45E+00
15	7,77E-01	9,35E-01	1,20E+00	1,06E+00	2,37E+00	3,46E+00
20	7,84E-01	9,40E-01	1,20E+00	1,06E+00	2,39E+00	3,50E+00
30	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
40	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
45	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
50	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
60	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
70	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
80	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
90	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
100	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
120	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
180	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
200	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
300	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
360	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
365	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
400	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
500	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
600	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
700	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
800	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
900	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
1000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
2000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
3000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
4000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
5000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
6000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
8000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
10000	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
13500	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
14600	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
18250	7,86E-01	9,42E-01	1,20E+00	1,06E+00	2,39E+00	3,52E+00
Eff. Dosis	3,5E-10	2,5E-10	2,1E-10	1,4E-10	1,2E-10	1,7E-10
Gebärmutter	9,7E-12	2,8E-11	5,3E-11	5,2E-11	1,1E-10	1,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Zn-65								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,82E-01	4,64E-01	7,27E-01	6,82E-01	2,81E-01	4,60E-01	7,19E-01	6,74E-01
2	5,41E-01	8,58E-01	1,32E+00	1,23E+00	5,24E-01	8,01E-01	1,21E+00	1,12E+00
3	7,82E-01	1,20E+00	1,81E+00	1,68E+00	7,31E-01	1,03E+00	1,48E+00	1,36E+00
3,5	8,99E-01	1,36E+00	2,04E+00	1,89E+00	8,26E-01	1,12E+00	1,57E+00	1,43E+00
4	1,01E+00	1,52E+00	2,26E+00	2,09E+00	9,18E-01	1,20E+00	1,65E+00	1,49E+00
5	1,24E+00	1,82E+00	2,69E+00	2,48E+00	1,10E+00	1,36E+00	1,78E+00	1,59E+00
6	1,46E+00	2,12E+00	3,11E+00	2,86E+00	1,27E+00	1,50E+00	1,90E+00	1,68E+00
7	1,68E+00	2,42E+00	3,52E+00	3,23E+00	1,44E+00	1,65E+00	2,02E+00	1,77E+00
8	1,90E+00	2,71E+00	3,93E+00	3,60E+00	1,61E+00	1,79E+00	2,14E+00	1,85E+00
9	2,12E+00	3,00E+00	4,33E+00	3,97E+00	1,77E+00	1,93E+00	2,25E+00	1,93E+00
10	2,33E+00	3,29E+00	4,73E+00	4,33E+00	1,93E+00	2,07E+00	2,37E+00	2,02E+00
11	2,54E+00	3,57E+00	5,12E+00	4,68E+00	2,09E+00	2,20E+00	2,48E+00	2,10E+00
12	2,75E+00	3,85E+00	5,51E+00	5,03E+00	2,25E+00	2,34E+00	2,59E+00	2,18E+00
13	2,95E+00	4,12E+00	5,89E+00	5,38E+00	2,41E+00	2,47E+00	2,70E+00	2,26E+00
14	3,16E+00	4,40E+00	6,27E+00	5,73E+00	2,57E+00	2,60E+00	2,81E+00	2,34E+00
15	3,36E+00	4,67E+00	6,65E+00	6,07E+00	2,72E+00	2,74E+00	2,92E+00	2,42E+00
20	4,33E+00	5,98E+00	8,48E+00	7,73E+00	3,48E+00	3,38E+00	3,44E+00	2,80E+00
30	6,17E+00	8,44E+00	1,19E+01	1,08E+01	4,92E+00	4,60E+00	4,43E+00	3,51E+00
40	7,87E+00	1,07E+01	1,51E+01	1,37E+01	6,27E+00	5,75E+00	5,36E+00	4,18E+00
45	8,68E+00	1,18E+01	1,66E+01	1,51E+01	6,92E+00	6,30E+00	5,80E+00	4,50E+00
50	9,46E+00	1,29E+01	1,81E+01	1,64E+01	7,55E+00	6,84E+00	6,24E+00	4,81E+00
60	1,10E+01	1,49E+01	2,09E+01	1,90E+01	8,76E+00	7,86E+00	7,06E+00	5,40E+00
70	1,24E+01	1,68E+01	2,36E+01	2,14E+01	9,90E+00	8,84E+00	7,84E+00	5,96E+00
80	1,38E+01	1,86E+01	2,61E+01	2,37E+01	1,10E+01	9,76E+00	8,59E+00	6,50E+00
90	1,51E+01	2,04E+01	2,86E+01	2,59E+01	1,20E+01	1,06E+01	9,30E+00	7,01E+00
100	1,63E+01	2,21E+01	3,09E+01	2,80E+01	1,30E+01	1,15E+01	9,97E+00	7,49E+00
120	1,86E+01	2,52E+01	3,52E+01	3,20E+01	1,48E+01	1,30E+01	1,12E+01	8,40E+00
180	2,45E+01	3,30E+01	4,62E+01	4,19E+01	1,93E+01	1,69E+01	1,44E+01	1,07E+01
200	2,61E+01	3,52E+01	4,93E+01	4,47E+01	2,06E+01	1,79E+01	1,52E+01	1,13E+01
300	3,25E+01	4,38E+01	6,12E+01	5,55E+01	2,53E+01	2,20E+01	1,86E+01	1,37E+01
360	3,52E+01	4,74E+01	6,62E+01	6,00E+01	2,72E+01	2,36E+01	2,00E+01	1,48E+01
365	3,54E+01	4,77E+01	6,66E+01	6,04E+01	2,74E+01	2,38E+01	2,01E+01	1,48E+01
400	3,67E+01	4,94E+01	6,89E+01	6,25E+01	2,83E+01	2,45E+01	2,07E+01	1,53E+01
500	3,94E+01	5,30E+01	7,40E+01	6,71E+01	3,02E+01	2,62E+01	2,21E+01	1,64E+01
600	4,12E+01	5,54E+01	7,74E+01	7,01E+01	3,14E+01	2,73E+01	2,31E+01	1,70E+01
700	4,23E+01	5,70E+01	7,95E+01	7,21E+01	3,23E+01	2,80E+01	2,36E+01	1,75E+01
800	4,31E+01	5,80E+01	8,10E+01	7,34E+01	3,28E+01	2,85E+01	2,40E+01	1,78E+01
900	4,36E+01	5,87E+01	8,19E+01	7,43E+01	3,32E+01	2,88E+01	2,43E+01	1,79E+01
1000	4,39E+01	5,91E+01	8,25E+01	7,48E+01	3,34E+01	2,90E+01	2,45E+01	1,81E+01
2000	4,46E+01	6,00E+01	8,37E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
3000	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
4000	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
5000	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
6000	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
8000	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
10000	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
13500	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
14600	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
18250	4,46E+01	6,00E+01	8,38E+01	7,59E+01	3,38E+01	2,94E+01	2,48E+01	1,83E+01
Eff. Dosis	2,0E-09	2,7E-09	3,8E-09	3,5E-09	2,5E-09	2,0E-09	1,5E-09	1,1E-09
Gebärmutter	2,0E-09	2,7E-09	3,8E-09	3,4E-09	1,0E-09	1,1E-09	1,1E-09	9,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Zn-65						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,17E-01	6,73E-01	9,60E-01	9,94E-01
2	5,21E-01	7,91E-01	1,19E+00	1,10E+00	1,70E+00	1,98E+00
3	7,21E-01	9,97E-01	1,42E+00	1,30E+00	2,26E+00	2,94E+00
3,5	8,12E-01	1,07E+00	1,48E+00	1,34E+00	2,51E+00	3,42E+00
4	8,99E-01	1,14E+00	1,53E+00	1,38E+00	2,76E+00	3,89E+00
5	1,07E+00	1,27E+00	1,61E+00	1,42E+00	3,23E+00	4,83E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	3,69E+00	5,76E+00
7	1,39E+00	1,50E+00	1,73E+00	1,48E+00	4,15E+00	6,67E+00
8	1,54E+00	1,61E+00	1,79E+00	1,51E+00	4,60E+00	7,57E+00
9	1,70E+00	1,72E+00	1,85E+00	1,54E+00	5,05E+00	8,46E+00
10	1,85E+00	1,82E+00	1,91E+00	1,57E+00	5,49E+00	9,34E+00
11	2,00E+00	1,93E+00	1,96E+00	1,60E+00	5,93E+00	1,02E+01
12	2,14E+00	2,04E+00	2,02E+00	1,62E+00	6,36E+00	1,11E+01
13	2,29E+00	2,14E+00	2,08E+00	1,65E+00	6,78E+00	1,19E+01
14	2,43E+00	2,25E+00	2,13E+00	1,68E+00	7,21E+00	1,28E+01
15	2,58E+00	2,35E+00	2,18E+00	1,70E+00	7,62E+00	1,36E+01
20	3,28E+00	2,86E+00	2,45E+00	1,83E+00	9,65E+00	1,77E+01
30	4,62E+00	3,84E+00	2,96E+00	2,07E+00	1,35E+01	2,53E+01
40	5,90E+00	4,76E+00	3,45E+00	2,30E+00	1,70E+01	3,23E+01
45	6,52E+00	5,21E+00	3,68E+00	2,41E+00	1,87E+01	3,57E+01
50	7,12E+00	5,65E+00	3,91E+00	2,52E+00	2,03E+01	3,90E+01
60	8,28E+00	6,49E+00	4,35E+00	2,73E+00	2,34E+01	4,52E+01
70	9,39E+00	7,30E+00	4,77E+00	2,93E+00	2,64E+01	5,12E+01
80	1,05E+01	8,06E+00	5,17E+00	3,12E+00	2,92E+01	5,68E+01
90	1,15E+01	8,79E+00	5,55E+00	3,31E+00	3,19E+01	6,22E+01
100	1,24E+01	9,49E+00	5,91E+00	3,48E+00	3,45E+01	6,74E+01
120	1,42E+01	1,08E+01	6,59E+00	3,80E+00	3,93E+01	7,70E+01
180	1,87E+01	1,41E+01	8,30E+00	4,62E+00	5,15E+01	1,01E+02
200	2,00E+01	1,50E+01	8,77E+00	4,84E+00	5,49E+01	1,08E+02
300	2,48E+01	1,85E+01	1,06E+01	5,72E+00	6,81E+01	1,35E+02
360	2,68E+01	2,00E+01	1,14E+01	6,10E+00	7,38E+01	1,46E+02
365	2,70E+01	2,01E+01	1,14E+01	6,12E+00	7,42E+01	1,47E+02
400	2,79E+01	2,08E+01	1,18E+01	6,30E+00	7,68E+01	1,52E+02
500	3,00E+01	2,23E+01	1,26E+01	6,69E+00	8,24E+01	1,63E+02
600	3,15E+01	2,33E+01	1,32E+01	6,95E+00	8,61E+01	1,71E+02
700	3,25E+01	2,41E+01	1,35E+01	7,13E+00	8,85E+01	1,75E+02
800	3,32E+01	2,46E+01	1,38E+01	7,26E+00	9,01E+01	1,79E+02
900	3,37E+01	2,49E+01	1,40E+01	7,35E+00	9,12E+01	1,81E+02
1000	3,40E+01	2,52E+01	1,41E+01	7,42E+00	9,19E+01	1,82E+02
2000	3,50E+01	2,59E+01	1,45E+01	7,58E+00	9,32E+01	1,85E+02
3000	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
4000	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
5000	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
6000	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
8000	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
10000	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
13500	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
14600	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
18250	3,50E+01	2,59E+01	1,45E+01	7,59E+00	9,32E+01	1,85E+02
Eff. Dosis	4,1E-09	3,0E-09	1,7E-09	8,4E-10	4,3E-09	8,3E-09
Gebärmutter	2,2E-10	3,0E-10	4,1E-10	3,7E-10	4,3E-09	8,1E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ga-66								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,19E-02	2,05E-02	3,27E-02	3,09E-02	1,19E-02	2,05E-02	3,27E-02	3,09E-02
0,08333	2,29E-02	3,93E-02	6,27E-02	5,91E-02	2,29E-02	3,93E-02	6,27E-02	5,91E-02
0,125	3,30E-02	5,66E-02	9,02E-02	8,50E-02	3,30E-02	5,66E-02	9,02E-02	8,50E-02
0,1667	4,24E-02	7,25E-02	1,16E-01	1,09E-01	4,24E-02	7,25E-02	1,16E-01	1,09E-01
0,2083	5,11E-02	8,71E-02	1,39E-01	1,31E-01	5,11E-02	8,71E-02	1,39E-01	1,31E-01
0,25	5,91E-02	1,01E-01	1,60E-01	1,51E-01	5,91E-02	1,01E-01	1,60E-01	1,51E-01
0,2917	6,65E-02	1,13E-01	1,80E-01	1,69E-01	6,66E-02	1,13E-01	1,80E-01	1,69E-01
0,3333	7,34E-02	1,25E-01	1,98E-01	1,86E-01	7,35E-02	1,25E-01	1,98E-01	1,86E-01
0,375	7,97E-02	1,35E-01	2,15E-01	2,02E-01	7,98E-02	1,35E-01	2,15E-01	2,02E-01
0,4167	8,56E-02	1,45E-01	2,30E-01	2,16E-01	8,57E-02	1,45E-01	2,30E-01	2,16E-01
0,4583	9,10E-02	1,54E-01	2,44E-01	2,30E-01	9,12E-02	1,54E-01	2,44E-01	2,30E-01
0,5	9,60E-02	1,62E-01	2,57E-01	2,42E-01	9,63E-02	1,62E-01	2,57E-01	2,42E-01
0,5417	1,01E-01	1,70E-01	2,69E-01	2,53E-01	1,01E-01	1,70E-01	2,69E-01	2,53E-01
0,5833	1,05E-01	1,77E-01	2,80E-01	2,63E-01	1,05E-01	1,77E-01	2,80E-01	2,63E-01
0,625	1,09E-01	1,83E-01	2,90E-01	2,73E-01	1,09E-01	1,84E-01	2,90E-01	2,73E-01
0,6667	1,13E-01	1,89E-01	2,99E-01	2,82E-01	1,13E-01	1,90E-01	3,00E-01	2,82E-01
0,7083	1,16E-01	1,95E-01	3,08E-01	2,90E-01	1,17E-01	1,95E-01	3,08E-01	2,90E-01
0,75	1,19E-01	2,00E-01	3,16E-01	2,97E-01	1,20E-01	2,00E-01	3,16E-01	2,97E-01
0,7917	1,22E-01	2,05E-01	3,23E-01	3,04E-01	1,23E-01	2,05E-01	3,23E-01	3,04E-01
0,8333	1,25E-01	2,09E-01	3,30E-01	3,10E-01	1,25E-01	2,09E-01	3,30E-01	3,10E-01
0,875	1,27E-01	2,13E-01	3,36E-01	3,16E-01	1,28E-01	2,13E-01	3,36E-01	3,16E-01
0,9167	1,29E-01	2,16E-01	3,41E-01	3,21E-01	1,30E-01	2,17E-01	3,41E-01	3,21E-01
0,9583	1,31E-01	2,20E-01	3,46E-01	3,26E-01	1,32E-01	2,20E-01	3,46E-01	3,25E-01
1	1,33E-01	2,23E-01	3,51E-01	3,30E-01	1,34E-01	2,23E-01	3,51E-01	3,30E-01
1,083	1,37E-01	2,28E-01	3,59E-01	3,38E-01	1,38E-01	2,29E-01	3,59E-01	3,37E-01
1,167	1,40E-01	2,33E-01	3,66E-01	3,44E-01	1,41E-01	2,33E-01	3,66E-01	3,43E-01
1,25	1,42E-01	2,36E-01	3,72E-01	3,49E-01	1,43E-01	2,37E-01	3,71E-01	3,49E-01
1,333	1,44E-01	2,40E-01	3,77E-01	3,54E-01	1,45E-01	2,40E-01	3,76E-01	3,53E-01
1,417	1,46E-01	2,42E-01	3,81E-01	3,58E-01	1,47E-01	2,43E-01	3,80E-01	3,56E-01
1,5	1,47E-01	2,45E-01	3,84E-01	3,61E-01	1,49E-01	2,45E-01	3,83E-01	3,59E-01
1,667	1,50E-01	2,48E-01	3,89E-01	3,65E-01	1,51E-01	2,48E-01	3,88E-01	3,63E-01
1,833	1,51E-01	2,50E-01	3,93E-01	3,68E-01	1,53E-01	2,50E-01	3,91E-01	3,66E-01
2	1,53E-01	2,52E-01	3,95E-01	3,71E-01	1,54E-01	2,52E-01	3,93E-01	3,68E-01
3	1,55E-01	2,56E-01	4,00E-01	3,75E-01	1,57E-01	2,55E-01	3,96E-01	3,71E-01
4	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
5	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
6	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
7	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
8	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
9	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
10	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
11	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
12	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
13	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
14	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
15	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
16	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
17	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
18	1,56E-01	2,56E-01	4,00E-01	3,75E-01	1,58E-01	2,55E-01	3,97E-01	3,71E-01
Eff. Dosis	1,0E-10	1,8E-10	2,8E-10	2,6E-10	2,3E-10	2,8E-10	3,6E-10	3,2E-10
Gebärmutter	5,8E-11	1,2E-10	2,0E-10	1,9E-10	4,1E-11	1,2E-10	2,3E-10	2,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ga-66						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,19E-02	2,05E-02	3,27E-02	3,09E-02	4,02E-02	4,02E-02
0,08333	2,29E-02	3,93E-02	6,27E-02	5,91E-02	7,75E-02	7,75E-02
0,125	3,30E-02	5,66E-02	9,02E-02	8,50E-02	1,12E-01	1,12E-01
0,1667	4,24E-02	7,25E-02	1,16E-01	1,09E-01	1,45E-01	1,44E-01
0,2083	5,11E-02	8,71E-02	1,39E-01	1,31E-01	1,74E-01	1,74E-01
0,25	5,91E-02	1,01E-01	1,60E-01	1,51E-01	2,02E-01	2,02E-01
0,2917	6,66E-02	1,13E-01	1,80E-01	1,69E-01	2,28E-01	2,28E-01
0,3333	7,35E-02	1,25E-01	1,98E-01	1,86E-01	2,52E-01	2,51E-01
0,375	7,98E-02	1,35E-01	2,15E-01	2,02E-01	2,74E-01	2,74E-01
0,4167	8,58E-02	1,45E-01	2,30E-01	2,16E-01	2,95E-01	2,94E-01
0,4583	9,12E-02	1,54E-01	2,44E-01	2,30E-01	3,14E-01	3,13E-01
0,5	9,63E-02	1,62E-01	2,57E-01	2,42E-01	3,31E-01	3,30E-01
0,5417	1,01E-01	1,70E-01	2,69E-01	2,53E-01	3,47E-01	3,47E-01
0,5833	1,05E-01	1,77E-01	2,80E-01	2,63E-01	3,62E-01	3,62E-01
0,625	1,09E-01	1,84E-01	2,90E-01	2,73E-01	3,76E-01	3,76E-01
0,6667	1,13E-01	1,90E-01	3,00E-01	2,82E-01	3,88E-01	3,89E-01
0,7083	1,17E-01	1,95E-01	3,08E-01	2,90E-01	4,00E-01	4,01E-01
0,75	1,20E-01	2,00E-01	3,16E-01	2,97E-01	4,10E-01	4,12E-01
0,7917	1,23E-01	2,05E-01	3,23E-01	3,04E-01	4,20E-01	4,22E-01
0,8333	1,25E-01	2,09E-01	3,30E-01	3,10E-01	4,29E-01	4,32E-01
0,875	1,28E-01	2,13E-01	3,36E-01	3,15E-01	4,37E-01	4,40E-01
0,9167	1,30E-01	2,17E-01	3,41E-01	3,21E-01	4,44E-01	4,48E-01
0,9583	1,32E-01	2,20E-01	3,46E-01	3,25E-01	4,50E-01	4,56E-01
1	1,34E-01	2,23E-01	3,51E-01	3,30E-01	4,56E-01	4,63E-01
1,083	1,38E-01	2,29E-01	3,59E-01	3,37E-01	4,66E-01	4,76E-01
1,167	1,41E-01	2,33E-01	3,66E-01	3,43E-01	4,75E-01	4,86E-01
1,25	1,43E-01	2,37E-01	3,71E-01	3,49E-01	4,82E-01	4,95E-01
1,333	1,46E-01	2,40E-01	3,76E-01	3,53E-01	4,87E-01	5,03E-01
1,417	1,47E-01	2,43E-01	3,80E-01	3,56E-01	4,92E-01	5,10E-01
1,5	1,49E-01	2,45E-01	3,83E-01	3,59E-01	4,95E-01	5,16E-01
1,667	1,52E-01	2,48E-01	3,88E-01	3,63E-01	5,00E-01	5,25E-01
1,833	1,53E-01	2,50E-01	3,91E-01	3,66E-01	5,03E-01	5,32E-01
2	1,55E-01	2,52E-01	3,93E-01	3,68E-01	5,05E-01	5,37E-01
3	1,57E-01	2,55E-01	3,96E-01	3,71E-01	5,08E-01	5,49E-01
4	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
5	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
6	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
7	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
8	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
9	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
10	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
11	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
12	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
13	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
14	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
15	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
16	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
17	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
18	1,58E-01	2,56E-01	3,97E-01	3,71E-01	5,09E-01	5,51E-01
Eff. Dosis	2,5E-10	2,9E-10	3,7E-10	3,2E-10	5,5E-10	3,0E-10
Gebärmutter	3,8E-11	1,2E-10	2,3E-10	2,2E-10	5,0E-10	1,7E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ga-67								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,50E-01	4,15E-01	6,51E-01	6,11E-01	2,53E-01	4,16E-01	6,50E-01	6,10E-01
2	4,20E-01	6,66E-01	1,02E+00	9,54E-01	4,28E-01	6,59E-01	9,97E-01	9,27E-01
3	5,33E-01	8,06E-01	1,21E+00	1,12E+00	5,44E-01	7,81E-01	1,13E+00	1,04E+00
3,5	5,77E-01	8,54E-01	1,26E+00	1,17E+00	5,89E-01	8,19E-01	1,17E+00	1,07E+00
4	6,15E-01	8,94E-01	1,31E+00	1,21E+00	6,27E-01	8,49E-01	1,19E+00	1,08E+00
5	6,76E-01	9,56E-01	1,38E+00	1,26E+00	6,90E-01	8,95E-01	1,22E+00	1,10E+00
6	7,24E-01	1,00E+00	1,43E+00	1,30E+00	7,39E-01	9,31E-01	1,24E+00	1,11E+00
7	7,61E-01	1,04E+00	1,47E+00	1,34E+00	7,78E-01	9,58E-01	1,25E+00	1,12E+00
8	7,90E-01	1,07E+00	1,50E+00	1,36E+00	8,09E-01	9,80E-01	1,26E+00	1,12E+00
9	8,13E-01	1,09E+00	1,53E+00	1,38E+00	8,33E-01	9,98E-01	1,27E+00	1,13E+00
10	8,31E-01	1,11E+00	1,54E+00	1,40E+00	8,53E-01	1,01E+00	1,28E+00	1,13E+00
11	8,46E-01	1,13E+00	1,56E+00	1,41E+00	8,68E-01	1,02E+00	1,29E+00	1,13E+00
12	8,57E-01	1,14E+00	1,57E+00	1,42E+00	8,81E-01	1,03E+00	1,29E+00	1,14E+00
13	8,66E-01	1,15E+00	1,58E+00	1,43E+00	8,91E-01	1,04E+00	1,30E+00	1,14E+00
14	8,73E-01	1,15E+00	1,59E+00	1,44E+00	8,99E-01	1,05E+00	1,30E+00	1,14E+00
15	8,79E-01	1,16E+00	1,60E+00	1,44E+00	9,05E-01	1,05E+00	1,30E+00	1,14E+00
20	8,94E-01	1,17E+00	1,61E+00	1,45E+00	9,23E-01	1,06E+00	1,31E+00	1,14E+00
30	9,01E-01	1,18E+00	1,62E+00	1,46E+00	9,30E-01	1,07E+00	1,31E+00	1,15E+00
40	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
45	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
50	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
60	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
70	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
80	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
90	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
100	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
120	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
180	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
200	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
300	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
360	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
365	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
400	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
500	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
600	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
700	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
800	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
900	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
1000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
2000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
3000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
4000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
5000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
6000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
8000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
10000	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
13500	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
14600	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
18250	9,02E-01	1,18E+00	1,62E+00	1,46E+00	9,31E-01	1,07E+00	1,31E+00	1,15E+00
Eff. Dosis	3,0E-11	3,9E-11	5,5E-11	4,9E-11	1,5E-10	1,1E-10	9,6E-11	7,0E-11
Gebärmutter	2,6E-11	4,5E-11	7,3E-11	6,9E-11	1,6E-11	4,1E-11	7,5E-11	7,3E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ga-67						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,54E-01	4,16E-01	6,50E-01	6,10E-01	8,51E-01	8,78E-01
2	4,30E-01	6,60E-01	9,97E-01	9,26E-01	1,25E+00	1,53E+00
3	5,48E-01	7,82E-01	1,13E+00	1,04E+00	1,36E+00	2,03E+00
3,5	5,94E-01	8,21E-01	1,17E+00	1,07E+00	1,37E+00	2,23E+00
4	6,33E-01	8,52E-01	1,19E+00	1,08E+00	1,38E+00	2,41E+00
5	6,98E-01	8,99E-01	1,22E+00	1,10E+00	1,38E+00	2,70E+00
6	7,49E-01	9,35E-01	1,24E+00	1,11E+00	1,38E+00	2,93E+00
7	7,90E-01	9,64E-01	1,25E+00	1,11E+00	1,38E+00	3,11E+00
8	8,22E-01	9,86E-01	1,26E+00	1,12E+00	1,38E+00	3,25E+00
9	8,47E-01	1,01E+00	1,27E+00	1,12E+00	1,38E+00	3,37E+00
10	8,68E-01	1,02E+00	1,28E+00	1,13E+00	1,38E+00	3,45E+00
11	8,84E-01	1,03E+00	1,29E+00	1,13E+00	1,38E+00	3,52E+00
12	8,97E-01	1,04E+00	1,29E+00	1,13E+00	1,38E+00	3,58E+00
13	9,08E-01	1,05E+00	1,29E+00	1,13E+00	1,38E+00	3,62E+00
14	9,16E-01	1,05E+00	1,30E+00	1,13E+00	1,38E+00	3,66E+00
15	9,23E-01	1,06E+00	1,30E+00	1,14E+00	1,38E+00	3,69E+00
20	9,42E-01	1,07E+00	1,31E+00	1,14E+00	1,38E+00	3,76E+00
30	9,50E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,79E+00
40	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
45	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
50	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
60	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
70	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
80	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
90	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
100	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
120	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
180	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
200	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
300	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
360	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
365	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
400	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
500	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
600	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
700	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
800	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
900	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
1000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
2000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
3000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
4000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
5000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
6000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
8000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
10000	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
13500	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
14600	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
18250	9,51E-01	1,08E+00	1,31E+00	1,14E+00	1,38E+00	3,80E+00
Eff. Dosis	1,7E-10	1,2E-10	1,1E-10	7,6E-11	5,4E-11	1,1E-10
Gebärmutter	1,4E-11	3,9E-11	7,5E-11	7,3E-11	1,3E-10	8,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ga-68								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	9,20E-03	1,59E-02	2,53E-02	2,39E-02	9,20E-03	1,59E-02	2,53E-02	2,39E-02
0,08333	1,42E-02	2,43E-02	3,89E-02	3,66E-02	1,41E-02	2,43E-02	3,89E-02	3,66E-02
0,125	1,68E-02	2,89E-02	4,61E-02	4,34E-02	1,68E-02	2,89E-02	4,61E-02	4,34E-02
0,1667	1,82E-02	3,13E-02	4,99E-02	4,71E-02	1,82E-02	3,13E-02	4,99E-02	4,71E-02
0,2083	1,90E-02	3,26E-02	5,20E-02	4,90E-02	1,90E-02	3,26E-02	5,20E-02	4,90E-02
0,25	1,94E-02	3,33E-02	5,31E-02	5,01E-02	1,94E-02	3,33E-02	5,31E-02	5,00E-02
0,2917	1,97E-02	3,37E-02	5,37E-02	5,06E-02	1,96E-02	3,37E-02	5,37E-02	5,06E-02
0,3333	1,98E-02	3,39E-02	5,40E-02	5,09E-02	1,98E-02	3,39E-02	5,40E-02	5,09E-02
0,375	1,98E-02	3,40E-02	5,42E-02	5,11E-02	1,98E-02	3,40E-02	5,42E-02	5,11E-02
0,4167	1,99E-02	3,40E-02	5,43E-02	5,12E-02	1,99E-02	3,40E-02	5,42E-02	5,11E-02
0,4583	1,99E-02	3,41E-02	5,43E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,5	1,99E-02	3,41E-02	5,43E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,5417	1,99E-02	3,41E-02	5,44E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,5833	1,99E-02	3,41E-02	5,44E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,625	1,99E-02	3,41E-02	5,44E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,6667	1,99E-02	3,41E-02	5,44E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,7083	1,99E-02	3,41E-02	5,44E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,75	1,99E-02	3,41E-02	5,44E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,7917	1,99E-02	3,41E-02	5,44E-02	5,12E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,8333	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,875	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,9167	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
0,9583	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,083	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,167	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,25	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,333	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,417	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,5	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,667	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
1,833	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
2	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
3	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
4	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
5	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
6	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
7	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
8	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
9	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
10	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
11	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
12	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
13	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
14	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
15	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
16	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
17	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
18	1,99E-02	3,41E-02	5,44E-02	5,13E-02	1,99E-02	3,41E-02	5,43E-02	5,12E-02
Eff. Dosis	1,6E-11	2,7E-11	4,1E-11	3,7E-11	2,7E-11	3,8E-11	5,5E-11	4,8E-11
Gebärmutter	1,7E-12	3,0E-12	4,8E-12	4,6E-12	8,4E-13	2,6E-12	4,9E-12	4,8E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ga-68						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	9,20E-03	1,59E-02	2,53E-02	2,39E-02	3,11E-02	3,11E-02
0,08333	1,41E-02	2,43E-02	3,89E-02	3,66E-02	4,79E-02	4,79E-02
0,125	1,68E-02	2,89E-02	4,61E-02	4,34E-02	5,70E-02	5,69E-02
0,1667	1,82E-02	3,13E-02	4,99E-02	4,71E-02	6,19E-02	6,18E-02
0,2083	1,90E-02	3,26E-02	5,20E-02	4,90E-02	6,46E-02	6,45E-02
0,25	1,94E-02	3,33E-02	5,31E-02	5,00E-02	6,60E-02	6,59E-02
0,2917	1,96E-02	3,37E-02	5,37E-02	5,06E-02	6,68E-02	6,67E-02
0,3333	1,98E-02	3,39E-02	5,40E-02	5,09E-02	6,72E-02	6,71E-02
0,375	1,98E-02	3,40E-02	5,41E-02	5,11E-02	6,74E-02	6,73E-02
0,4167	1,99E-02	3,40E-02	5,42E-02	5,11E-02	6,75E-02	6,75E-02
0,4583	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,76E-02	6,75E-02
0,5	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,76E-02	6,76E-02
0,5417	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,5833	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,625	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,6667	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,7083	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,75	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,7917	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,8333	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,875	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,9167	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
0,9583	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,083	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,167	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,25	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,333	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,417	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,5	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,667	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
1,833	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
2	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
3	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
4	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
5	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
6	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
7	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
8	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
9	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
10	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
11	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
12	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
13	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
14	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
15	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
16	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
17	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
18	1,99E-02	3,41E-02	5,43E-02	5,12E-02	6,77E-02	6,76E-02
Eff. Dosis	2,7E-11	3,9E-11	5,5E-11	4,8E-11	1,1E-10	2,9E-11
Gebärmutter	8,0E-13	2,6E-12	4,9E-12	4,8E-12	1,8E-11	8,4E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ge-68								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	1,18E-01	2,37E-01	4,03E-01	3,86E-01	2,58E-01	4,25E-01	6,67E-01	6,26E-01
2	1,53E-01	3,03E-01	5,14E-01	4,93E-01	4,56E-01	7,00E-01	1,06E+00	9,84E-01
3	1,74E-01	3,40E-01	5,74E-01	5,49E-01	6,17E-01	8,68E-01	1,25E+00	1,14E+00
3,5	1,82E-01	3,54E-01	5,95E-01	5,69E-01	6,90E-01	9,31E-01	1,30E+00	1,18E+00
4	1,89E-01	3,66E-01	6,14E-01	5,86E-01	7,59E-01	9,86E-01	1,34E+00	1,21E+00
5	2,01E-01	3,85E-01	6,43E-01	6,14E-01	8,92E-01	1,09E+00	1,41E+00	1,25E+00
6	2,09E-01	3,99E-01	6,66E-01	6,35E-01	1,02E+00	1,18E+00	1,46E+00	1,28E+00
7	2,16E-01	4,10E-01	6,82E-01	6,51E-01	1,14E+00	1,27E+00	1,51E+00	1,30E+00
8	2,21E-01	4,18E-01	6,95E-01	6,63E-01	1,26E+00	1,35E+00	1,55E+00	1,32E+00
9	2,25E-01	4,24E-01	7,05E-01	6,72E-01	1,38E+00	1,44E+00	1,60E+00	1,35E+00
10	2,28E-01	4,29E-01	7,13E-01	6,79E-01	1,50E+00	1,52E+00	1,64E+00	1,37E+00
11	2,30E-01	4,33E-01	7,18E-01	6,85E-01	1,61E+00	1,60E+00	1,68E+00	1,39E+00
12	2,32E-01	4,35E-01	7,23E-01	6,89E-01	1,72E+00	1,68E+00	1,72E+00	1,40E+00
13	2,33E-01	4,38E-01	7,26E-01	6,92E-01	1,83E+00	1,76E+00	1,76E+00	1,42E+00
14	2,34E-01	4,39E-01	7,29E-01	6,94E-01	1,94E+00	1,84E+00	1,80E+00	1,44E+00
15	2,35E-01	4,41E-01	7,31E-01	6,96E-01	2,05E+00	1,92E+00	1,84E+00	1,46E+00
20	2,37E-01	4,44E-01	7,36E-01	7,01E-01	2,57E+00	2,29E+00	2,03E+00	1,55E+00
30	2,38E-01	4,45E-01	7,38E-01	7,03E-01	3,52E+00	2,97E+00	2,38E+00	1,70E+00
40	2,38E-01	4,46E-01	7,39E-01	7,04E-01	4,39E+00	3,60E+00	2,69E+00	1,84E+00
45	2,38E-01	4,46E-01	7,39E-01	7,04E-01	4,79E+00	3,89E+00	2,84E+00	1,91E+00
50	2,38E-01	4,46E-01	7,40E-01	7,05E-01	5,18E+00	4,16E+00	2,98E+00	1,97E+00
60	2,39E-01	4,47E-01	7,41E-01	7,05E-01	5,90E+00	4,68E+00	3,23E+00	2,09E+00
70	2,39E-01	4,47E-01	7,41E-01	7,06E-01	6,55E+00	5,15E+00	3,47E+00	2,20E+00
80	2,39E-01	4,48E-01	7,42E-01	7,06E-01	7,14E+00	5,58E+00	3,69E+00	2,29E+00
90	2,39E-01	4,48E-01	7,42E-01	7,07E-01	7,68E+00	5,96E+00	3,88E+00	2,38E+00
100	2,40E-01	4,48E-01	7,43E-01	7,08E-01	8,17E+00	6,32E+00	4,06E+00	2,46E+00
120	2,40E-01	4,49E-01	7,44E-01	7,09E-01	9,03E+00	6,93E+00	4,37E+00	2,60E+00
180	2,41E-01	4,51E-01	7,47E-01	7,12E-01	1,08E+01	8,21E+00	5,02E+00	2,89E+00
200	2,42E-01	4,52E-01	7,48E-01	7,12E-01	1,12E+01	8,51E+00	5,16E+00	2,96E+00
300	2,43E-01	4,54E-01	7,52E-01	7,16E-01	1,24E+01	9,38E+00	5,61E+00	3,16E+00
360	2,44E-01	4,56E-01	7,54E-01	7,18E-01	1,28E+01	9,64E+00	5,74E+00	3,22E+00
365	2,44E-01	4,56E-01	7,54E-01	7,18E-01	1,28E+01	9,65E+00	5,74E+00	3,22E+00
400	2,44E-01	4,56E-01	7,55E-01	7,19E-01	1,29E+01	9,74E+00	5,79E+00	3,25E+00
500	2,45E-01	4,58E-01	7,57E-01	7,21E-01	1,31E+01	9,90E+00	5,87E+00	3,28E+00
600	2,46E-01	4,59E-01	7,59E-01	7,22E-01	1,32E+01	9,96E+00	5,90E+00	3,30E+00
700	2,47E-01	4,60E-01	7,60E-01	7,24E-01	1,33E+01	9,99E+00	5,91E+00	3,30E+00
800	2,47E-01	4,60E-01	7,61E-01	7,25E-01	1,33E+01	1,00E+01	5,92E+00	3,31E+00
900	2,47E-01	4,61E-01	7,62E-01	7,25E-01	1,33E+01	1,00E+01	5,92E+00	3,31E+00
1000	2,47E-01	4,61E-01	7,62E-01	7,26E-01	1,33E+01	1,00E+01	5,92E+00	3,31E+00
2000	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
3000	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
4000	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
5000	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
6000	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
8000	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
10000	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
13500	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
14600	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
18250	2,48E-01	4,62E-01	7,64E-01	7,27E-01	1,33E+01	1,00E+01	5,93E+00	3,31E+00
Eff. Dosis	7,7E-11	1,5E-10	2,4E-10	2,3E-10	1,6E-08	1,2E-08	6,5E-09	3,3E-09
Gebärmutter	5,7E-11	9,6E-11	1,5E-10	1,4E-10	2,0E-10	3,9E-10	6,6E-10	6,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ge-68						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,58E-01	7,15E-01	6,70E-01	3,52E-01	3,02E-01
2	5,18E-01	7,86E-01	1,18E+00	1,10E+00	4,59E-01	4,04E-01
3	7,16E-01	9,90E-01	1,41E+00	1,29E+00	5,33E-01	4,76E-01
3,5	8,05E-01	1,07E+00	1,47E+00	1,33E+00	5,62E-01	5,05E-01
4	8,91E-01	1,13E+00	1,52E+00	1,36E+00	5,87E-01	5,29E-01
5	1,06E+00	1,25E+00	1,59E+00	1,40E+00	6,27E-01	5,69E-01
6	1,22E+00	1,37E+00	1,65E+00	1,43E+00	6,57E-01	5,99E-01
7	1,37E+00	1,48E+00	1,71E+00	1,46E+00	6,80E-01	6,22E-01
8	1,53E+00	1,59E+00	1,76E+00	1,49E+00	6,97E-01	6,39E-01
9	1,68E+00	1,69E+00	1,82E+00	1,51E+00	7,11E-01	6,52E-01
10	1,83E+00	1,80E+00	1,87E+00	1,54E+00	7,21E-01	6,63E-01
11	1,97E+00	1,90E+00	1,93E+00	1,56E+00	7,29E-01	6,70E-01
12	2,12E+00	2,01E+00	1,98E+00	1,58E+00	7,35E-01	6,76E-01
13	2,26E+00	2,11E+00	2,03E+00	1,61E+00	7,40E-01	6,81E-01
14	2,41E+00	2,21E+00	2,08E+00	1,63E+00	7,43E-01	6,85E-01
15	2,55E+00	2,31E+00	2,13E+00	1,65E+00	7,46E-01	6,87E-01
20	3,24E+00	2,81E+00	2,38E+00	1,77E+00	7,53E-01	6,94E-01
30	4,58E+00	3,77E+00	2,87E+00	1,99E+00	7,56E-01	6,98E-01
40	5,85E+00	4,68E+00	3,33E+00	2,19E+00	7,57E-01	6,99E-01
45	6,46E+00	5,12E+00	3,55E+00	2,29E+00	7,58E-01	6,99E-01
50	7,06E+00	5,55E+00	3,76E+00	2,39E+00	7,58E-01	7,00E-01
60	8,22E+00	6,39E+00	4,18E+00	2,58E+00	7,59E-01	7,01E-01
70	9,32E+00	7,18E+00	4,58E+00	2,76E+00	7,60E-01	7,02E-01
80	1,04E+01	7,94E+00	4,97E+00	2,93E+00	7,61E-01	7,03E-01
90	1,14E+01	8,67E+00	5,33E+00	3,10E+00	7,62E-01	7,04E-01
100	1,24E+01	9,36E+00	5,68E+00	3,26E+00	7,63E-01	7,05E-01
120	1,42E+01	1,07E+01	6,34E+00	3,55E+00	7,65E-01	7,06E-01
180	1,87E+01	1,39E+01	7,98E+00	4,30E+00	7,69E-01	7,11E-01
200	2,00E+01	1,49E+01	8,45E+00	4,51E+00	7,71E-01	7,12E-01
300	2,50E+01	1,84E+01	1,03E+01	5,33E+00	7,76E-01	7,18E-01
360	2,71E+01	2,00E+01	1,10E+01	5,68E+00	7,79E-01	7,21E-01
365	2,73E+01	2,01E+01	1,11E+01	5,71E+00	7,79E-01	7,21E-01
400	2,83E+01	2,08E+01	1,15E+01	5,88E+00	7,81E-01	7,22E-01
500	3,06E+01	2,25E+01	1,23E+01	6,26E+00	7,84E-01	7,26E-01
600	3,22E+01	2,36E+01	1,29E+01	6,52E+00	7,86E-01	7,28E-01
700	3,33E+01	2,44E+01	1,33E+01	6,71E+00	7,88E-01	7,30E-01
800	3,41E+01	2,50E+01	1,36E+01	6,85E+00	7,90E-01	7,31E-01
900	3,47E+01	2,55E+01	1,38E+01	6,95E+00	7,91E-01	7,32E-01
1000	3,52E+01	2,58E+01	1,40E+01	7,02E+00	7,91E-01	7,33E-01
2000	3,64E+01	2,67E+01	1,44E+01	7,24E+00	7,94E-01	7,35E-01
3000	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
4000	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
5000	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
6000	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
8000	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
10000	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
13500	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
14600	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
18250	3,65E+01	2,68E+01	1,45E+01	7,25E+00	7,94E-01	7,36E-01
Eff. Dosis	4,5E-08	3,3E-08	1,7E-08	8,3E-09	2,9E-10	2,1E-10
Gebärmutter	3,1E-10	5,1E-10	8,1E-10	7,6E-10	2,2E-10	2,0E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Se-75								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,64E-01	4,42E-01	6,98E-01	6,56E-01	2,78E-01	4,56E-01	7,13E-01	6,68E-01
2	5,00E-01	8,18E-01	1,28E+00	1,20E+00	5,17E-01	7,95E-01	1,20E+00	1,12E+00
3	7,24E-01	1,16E+00	1,80E+00	1,68E+00	7,22E-01	1,03E+00	1,50E+00	1,38E+00
3,5	8,33E-01	1,33E+00	2,05E+00	1,91E+00	8,17E-01	1,13E+00	1,60E+00	1,47E+00
4	9,41E-01	1,49E+00	2,29E+00	2,14E+00	9,09E-01	1,22E+00	1,70E+00	1,54E+00
5	1,15E+00	1,81E+00	2,77E+00	2,58E+00	1,09E+00	1,39E+00	1,87E+00	1,68E+00
6	1,36E+00	2,13E+00	3,24E+00	3,02E+00	1,26E+00	1,55E+00	2,03E+00	1,81E+00
7	1,57E+00	2,44E+00	3,70E+00	3,45E+00	1,43E+00	1,71E+00	2,19E+00	1,93E+00
8	1,77E+00	2,74E+00	4,16E+00	3,87E+00	1,60E+00	1,87E+00	2,34E+00	2,06E+00
9	1,97E+00	3,04E+00	4,61E+00	4,29E+00	1,76E+00	2,02E+00	2,49E+00	2,18E+00
10	2,17E+00	3,34E+00	5,05E+00	4,70E+00	1,92E+00	2,17E+00	2,64E+00	2,30E+00
11	2,36E+00	3,63E+00	5,49E+00	5,10E+00	2,08E+00	2,32E+00	2,78E+00	2,41E+00
12	2,55E+00	3,92E+00	5,92E+00	5,50E+00	2,24E+00	2,47E+00	2,93E+00	2,53E+00
13	2,74E+00	4,20E+00	6,35E+00	5,89E+00	2,39E+00	2,62E+00	3,07E+00	2,64E+00
14	2,92E+00	4,48E+00	6,76E+00	6,28E+00	2,54E+00	2,76E+00	3,21E+00	2,75E+00
15	3,11E+00	4,76E+00	7,18E+00	6,66E+00	2,69E+00	2,91E+00	3,35E+00	2,86E+00
20	3,98E+00	6,08E+00	9,15E+00	8,48E+00	3,42E+00	3,59E+00	4,01E+00	3,39E+00
30	5,55E+00	8,44E+00	1,27E+01	1,18E+01	4,77E+00	4,86E+00	5,22E+00	4,34E+00
40	6,92E+00	1,05E+01	1,58E+01	1,46E+01	5,98E+00	5,99E+00	6,29E+00	5,18E+00
45	7,54E+00	1,14E+01	1,72E+01	1,59E+01	6,54E+00	6,51E+00	6,78E+00	5,56E+00
50	8,12E+00	1,23E+01	1,85E+01	1,71E+01	7,08E+00	7,00E+00	7,24E+00	5,92E+00
60	9,18E+00	1,39E+01	2,09E+01	1,93E+01	8,07E+00	7,91E+00	8,08E+00	6,57E+00
70	1,01E+01	1,53E+01	2,30E+01	2,13E+01	8,96E+00	8,73E+00	8,83E+00	7,16E+00
80	1,09E+01	1,66E+01	2,48E+01	2,30E+01	9,77E+00	9,47E+00	9,50E+00	7,67E+00
90	1,17E+01	1,77E+01	2,65E+01	2,45E+01	1,05E+01	1,01E+01	1,01E+01	8,13E+00
100	1,23E+01	1,87E+01	2,79E+01	2,59E+01	1,12E+01	1,07E+01	1,06E+01	8,55E+00
120	1,34E+01	2,03E+01	3,04E+01	2,82E+01	1,23E+01	1,18E+01	1,16E+01	9,25E+00
180	1,56E+01	2,36E+01	3,54E+01	3,28E+01	1,47E+01	1,39E+01	1,34E+01	1,07E+01
200	1,61E+01	2,43E+01	3,64E+01	3,37E+01	1,52E+01	1,43E+01	1,38E+01	1,10E+01
300	1,75E+01	2,64E+01	3,95E+01	3,66E+01	1,67E+01	1,57E+01	1,50E+01	1,18E+01
360	1,78E+01	2,69E+01	4,03E+01	3,74E+01	1,71E+01	1,60E+01	1,53E+01	1,21E+01
365	1,79E+01	2,70E+01	4,04E+01	3,74E+01	1,71E+01	1,61E+01	1,53E+01	1,21E+01
400	1,80E+01	2,72E+01	4,07E+01	3,77E+01	1,73E+01	1,62E+01	1,54E+01	1,22E+01
500	1,82E+01	2,75E+01	4,12E+01	3,81E+01	1,75E+01	1,64E+01	1,56E+01	1,23E+01
600	1,83E+01	2,76E+01	4,14E+01	3,83E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
700	1,83E+01	2,77E+01	4,14E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
800	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
900	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
1000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
2000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
3000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
4000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
5000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
6000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
8000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
10000	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
13500	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
14600	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
18250	1,83E+01	2,77E+01	4,15E+01	3,84E+01	1,76E+01	1,65E+01	1,57E+01	1,24E+01
Eff. Dosis	8,1E-10	1,2E-09	1,8E-09	1,7E-09	1,4E-09	1,2E-09	8,9E-10	6,2E-10
Gebärmutter	6,9E-10	1,1E-09	1,6E-09	1,5E-09	3,3E-10	4,3E-10	5,7E-10	5,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Se-75							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,8	fA=0,05	
1	2,80E-01	4,59E-01	7,16E-01	6,71E-01	9,19E-01	9,37E-01	9,11E-01
2	5,20E-01	7,89E-01	1,18E+00	1,10E+00	1,71E+00	1,48E+00	1,78E+00
3	7,18E-01	9,94E-01	1,41E+00	1,29E+00	2,41E+00	1,69E+00	2,62E+00
3,5	8,07E-01	1,07E+00	1,48E+00	1,34E+00	2,74E+00	1,74E+00	3,03E+00
4	8,93E-01	1,14E+00	1,53E+00	1,37E+00	3,07E+00	1,77E+00	3,44E+00
5	1,06E+00	1,26E+00	1,60E+00	1,42E+00	3,72E+00	1,82E+00	4,25E+00
6	1,22E+00	1,37E+00	1,67E+00	1,45E+00	4,36E+00	1,86E+00	5,04E+00
7	1,37E+00	1,49E+00	1,73E+00	1,48E+00	4,99E+00	1,90E+00	5,83E+00
8	1,53E+00	1,60E+00	1,79E+00	1,51E+00	5,61E+00	1,94E+00	6,60E+00
9	1,67E+00	1,70E+00	1,84E+00	1,54E+00	6,22E+00	1,98E+00	7,36E+00
10	1,82E+00	1,81E+00	1,90E+00	1,57E+00	6,82E+00	2,02E+00	8,11E+00
11	1,97E+00	1,91E+00	1,96E+00	1,59E+00	7,41E+00	2,06E+00	8,85E+00
12	2,11E+00	2,02E+00	2,01E+00	1,62E+00	7,99E+00	2,09E+00	9,58E+00
13	2,25E+00	2,12E+00	2,07E+00	1,65E+00	8,56E+00	2,13E+00	1,03E+01
14	2,39E+00	2,22E+00	2,12E+00	1,67E+00	9,13E+00	2,16E+00	1,10E+01
15	2,53E+00	2,32E+00	2,17E+00	1,70E+00	9,69E+00	2,20E+00	1,17E+01
20	3,19E+00	2,80E+00	2,43E+00	1,83E+00	1,24E+01	2,37E+00	1,50E+01
30	4,44E+00	3,71E+00	2,91E+00	2,06E+00	1,72E+01	2,67E+00	2,10E+01
40	5,59E+00	4,55E+00	3,35E+00	2,27E+00	2,13E+01	2,93E+00	2,62E+01
45	6,14E+00	4,95E+00	3,56E+00	2,37E+00	2,32E+01	3,05E+00	2,86E+01
50	6,66E+00	5,33E+00	3,76E+00	2,47E+00	2,50E+01	3,16E+00	3,08E+01
60	7,64E+00	6,04E+00	4,14E+00	2,65E+00	2,82E+01	3,36E+00	3,49E+01
70	8,56E+00	6,71E+00	4,48E+00	2,82E+00	3,11E+01	3,54E+00	3,84E+01
80	9,40E+00	7,32E+00	4,81E+00	2,97E+00	3,36E+01	3,69E+00	4,16E+01
90	1,02E+01	7,88E+00	5,10E+00	3,11E+00	3,58E+01	3,83E+00	4,44E+01
100	1,09E+01	8,41E+00	5,38E+00	3,24E+00	3,78E+01	3,96E+00	4,68E+01
120	1,22E+01	9,34E+00	5,86E+00	3,47E+00	4,12E+01	4,17E+00	5,11E+01
180	1,51E+01	1,14E+01	6,95E+00	3,99E+00	4,79E+01	4,59E+00	5,94E+01
200	1,58E+01	1,19E+01	7,21E+00	4,11E+00	4,93E+01	4,68E+00	6,12E+01
300	1,81E+01	1,36E+01	8,07E+00	4,52E+00	5,35E+01	4,94E+00	6,64E+01
360	1,88E+01	1,42E+01	8,36E+00	4,65E+00	5,46E+01	5,01E+00	6,79E+01
365	1,89E+01	1,42E+01	8,38E+00	4,66E+00	5,47E+01	5,01E+00	6,79E+01
400	1,92E+01	1,44E+01	8,49E+00	4,71E+00	5,51E+01	5,04E+00	6,84E+01
500	1,97E+01	1,48E+01	8,69E+00	4,81E+00	5,57E+01	5,08E+00	6,92E+01
600	2,00E+01	1,50E+01	8,80E+00	4,86E+00	5,60E+01	5,09E+00	6,96E+01
700	2,02E+01	1,51E+01	8,85E+00	4,88E+00	5,61E+01	5,10E+00	6,97E+01
800	2,02E+01	1,52E+01	8,88E+00	4,89E+00	5,61E+01	5,10E+00	6,97E+01
900	2,03E+01	1,52E+01	8,89E+00	4,90E+00	5,62E+01	5,10E+00	6,98E+01
1000	2,03E+01	1,52E+01	8,90E+00	4,90E+00	5,62E+01	5,11E+00	6,98E+01
2000	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
3000	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
4000	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
5000	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
6000	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
8000	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
10000	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
13500	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
14600	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
18250	2,03E+01	1,52E+01	8,91E+00	4,91E+00	5,62E+01	5,11E+00	6,98E+01
Eff. Dosis	2,1E-09	1,6E-09	9,1E-10	4,9E-10	2,5E-09	3,1E-10	3,1E-09
Gebärmutter	9,0E-11	1,7E-10	2,8E-10	2,7E-10	2,2E-09	5,2E-10	2,6E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sr-85								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,53E-01	4,33E-01	6,90E-01	6,50E-01	2,76E-01	4,55E-01	7,12E-01	6,68E-01
2	4,50E-01	7,43E-01	1,16E+00	1,09E+00	5,06E-01	7,78E-01	1,18E+00	1,09E+00
3	6,05E-01	9,58E-01	1,47E+00	1,37E+00	6,93E-01	9,78E-01	1,41E+00	1,29E+00
3,5	6,73E-01	1,05E+00	1,59E+00	1,48E+00	7,76E-01	1,05E+00	1,48E+00	1,35E+00
4	7,36E-01	1,12E+00	1,69E+00	1,57E+00	8,56E-01	1,12E+00	1,53E+00	1,38E+00
5	8,53E-01	1,27E+00	1,87E+00	1,73E+00	1,01E+00	1,24E+00	1,61E+00	1,44E+00
6	9,61E-01	1,39E+00	2,04E+00	1,87E+00	1,15E+00	1,34E+00	1,68E+00	1,48E+00
7	1,06E+00	1,51E+00	2,19E+00	2,01E+00	1,29E+00	1,45E+00	1,75E+00	1,52E+00
8	1,16E+00	1,62E+00	2,33E+00	2,13E+00	1,42E+00	1,55E+00	1,81E+00	1,56E+00
9	1,24E+00	1,73E+00	2,47E+00	2,25E+00	1,55E+00	1,64E+00	1,87E+00	1,59E+00
10	1,33E+00	1,83E+00	2,59E+00	2,36E+00	1,68E+00	1,74E+00	1,93E+00	1,62E+00
11	1,41E+00	1,92E+00	2,71E+00	2,47E+00	1,80E+00	1,83E+00	1,99E+00	1,66E+00
12	1,48E+00	2,01E+00	2,83E+00	2,57E+00	1,92E+00	1,92E+00	2,04E+00	1,69E+00
13	1,56E+00	2,10E+00	2,94E+00	2,67E+00	2,03E+00	2,01E+00	2,09E+00	1,72E+00
14	1,63E+00	2,18E+00	3,04E+00	2,76E+00	2,15E+00	2,09E+00	2,14E+00	1,75E+00
15	1,69E+00	2,26E+00	3,15E+00	2,85E+00	2,26E+00	2,18E+00	2,20E+00	1,78E+00
20	2,00E+00	2,62E+00	3,60E+00	3,24E+00	2,78E+00	2,57E+00	2,43E+00	1,91E+00
30	2,47E+00	3,18E+00	4,31E+00	3,87E+00	3,70E+00	3,26E+00	2,83E+00	2,13E+00
40	2,84E+00	3,62E+00	4,87E+00	4,36E+00	4,47E+00	3,83E+00	3,17E+00	2,31E+00
45	3,00E+00	3,81E+00	5,10E+00	4,57E+00	4,81E+00	4,08E+00	3,31E+00	2,39E+00
50	3,14E+00	3,98E+00	5,32E+00	4,76E+00	5,12E+00	4,32E+00	3,45E+00	2,46E+00
60	3,40E+00	4,28E+00	5,70E+00	5,09E+00	5,68E+00	4,73E+00	3,68E+00	2,59E+00
70	3,62E+00	4,54E+00	6,04E+00	5,38E+00	6,15E+00	5,08E+00	3,89E+00	2,70E+00
80	3,81E+00	4,77E+00	6,32E+00	5,64E+00	6,55E+00	5,38E+00	4,06E+00	2,80E+00
90	3,98E+00	4,97E+00	6,57E+00	5,86E+00	6,89E+00	5,64E+00	4,21E+00	2,88E+00
100	4,13E+00	5,14E+00	6,80E+00	6,05E+00	7,19E+00	5,86E+00	4,34E+00	2,95E+00
120	4,37E+00	5,43E+00	7,16E+00	6,37E+00	7,65E+00	6,21E+00	4,54E+00	3,06E+00
180	4,83E+00	5,97E+00	7,84E+00	6,97E+00	8,43E+00	6,79E+00	4,89E+00	3,26E+00
200	4,92E+00	6,08E+00	7,98E+00	7,09E+00	8,56E+00	6,89E+00	4,96E+00	3,29E+00
300	5,16E+00	6,36E+00	8,33E+00	7,40E+00	8,88E+00	7,13E+00	5,10E+00	3,38E+00
360	5,21E+00	6,42E+00	8,41E+00	7,47E+00	8,93E+00	7,18E+00	5,13E+00	3,40E+00
365	5,22E+00	6,43E+00	8,42E+00	7,48E+00	8,94E+00	7,18E+00	5,13E+00	3,40E+00
400	5,23E+00	6,45E+00	8,45E+00	7,50E+00	8,95E+00	7,19E+00	5,14E+00	3,41E+00
500	5,26E+00	6,48E+00	8,48E+00	7,53E+00	8,98E+00	7,21E+00	5,15E+00	3,41E+00
600	5,26E+00	6,48E+00	8,49E+00	7,54E+00	8,98E+00	7,21E+00	5,16E+00	3,41E+00
700	5,27E+00	6,49E+00	8,50E+00	7,54E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
800	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
900	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
1000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
2000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
3000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
4000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
5000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
6000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
8000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
10000	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
13500	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
14600	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
18250	5,27E+00	6,49E+00	8,50E+00	7,55E+00	8,98E+00	7,22E+00	5,16E+00	3,42E+00
Eff. Dosis	2,1E-10	2,8E-10	3,8E-10	3,4E-10	9,6E-10	7,5E-10	5,0E-10	3,1E-10
Gebärmutter	2,5E-10	3,5E-10	5,1E-10	4,7E-10	1,5E-10	2,4E-10	3,7E-10	3,4E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sr-85							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,25	fA=0,01	
1	2,80E-01	4,58E-01	7,15E-01	6,70E-01	9,20E-01	9,36E-01	8,55E-01
2	5,17E-01	7,85E-01	1,18E+00	1,09E+00	1,49E+00	1,46E+00	1,58E+00
3	7,12E-01	9,86E-01	1,40E+00	1,28E+00	1,77E+00	1,64E+00	2,21E+00
3,5	8,00E-01	1,06E+00	1,47E+00	1,33E+00	1,86E+00	1,68E+00	2,49E+00
4	8,84E-01	1,13E+00	1,51E+00	1,36E+00	1,94E+00	1,69E+00	2,77E+00
5	1,04E+00	1,24E+00	1,58E+00	1,40E+00	2,08E+00	1,71E+00	3,29E+00
6	1,20E+00	1,35E+00	1,64E+00	1,43E+00	2,20E+00	1,71E+00	3,76E+00
7	1,35E+00	1,46E+00	1,70E+00	1,46E+00	2,32E+00	1,72E+00	4,21E+00
8	1,49E+00	1,56E+00	1,75E+00	1,48E+00	2,42E+00	1,72E+00	4,63E+00
9	1,64E+00	1,66E+00	1,80E+00	1,50E+00	2,52E+00	1,73E+00	5,02E+00
10	1,77E+00	1,76E+00	1,85E+00	1,53E+00	2,62E+00	1,73E+00	5,40E+00
11	1,91E+00	1,86E+00	1,90E+00	1,55E+00	2,71E+00	1,74E+00	5,76E+00
12	2,04E+00	1,95E+00	1,95E+00	1,57E+00	2,79E+00	1,74E+00	6,10E+00
13	2,17E+00	2,05E+00	2,00E+00	1,60E+00	2,87E+00	1,74E+00	6,42E+00
14	2,30E+00	2,14E+00	2,05E+00	1,62E+00	2,95E+00	1,74E+00	6,74E+00
15	2,43E+00	2,23E+00	2,09E+00	1,64E+00	3,03E+00	1,75E+00	7,04E+00
20	3,04E+00	2,67E+00	2,31E+00	1,74E+00	3,37E+00	1,76E+00	8,38E+00
30	4,13E+00	3,45E+00	2,71E+00	1,92E+00	3,90E+00	1,78E+00	1,05E+01
40	5,09E+00	4,14E+00	3,06E+00	2,08E+00	4,31E+00	1,80E+00	1,22E+01
45	5,53E+00	4,46E+00	3,22E+00	2,15E+00	4,49E+00	1,81E+00	1,29E+01
50	5,93E+00	4,75E+00	3,37E+00	2,22E+00	4,65E+00	1,81E+00	1,35E+01
60	6,68E+00	5,29E+00	3,64E+00	2,34E+00	4,94E+00	1,82E+00	1,47E+01
70	7,33E+00	5,76E+00	3,88E+00	2,45E+00	5,19E+00	1,83E+00	1,57E+01
80	7,91E+00	6,18E+00	4,09E+00	2,55E+00	5,40E+00	1,84E+00	1,65E+01
90	8,42E+00	6,54E+00	4,28E+00	2,63E+00	5,59E+00	1,85E+00	1,73E+01
100	8,87E+00	6,87E+00	4,44E+00	2,71E+00	5,76E+00	1,86E+00	1,79E+01
120	9,61E+00	7,40E+00	4,71E+00	2,83E+00	6,03E+00	1,87E+00	1,90E+01
180	1,10E+01	8,40E+00	5,22E+00	3,06E+00	6,54E+00	1,89E+00	2,11E+01
200	1,13E+01	8,59E+00	5,32E+00	3,11E+00	6,64E+00	1,89E+00	2,15E+01
300	1,20E+01	9,09E+00	5,57E+00	3,22E+00	6,91E+00	1,90E+00	2,25E+01
360	1,21E+01	9,20E+00	5,63E+00	3,25E+00	6,97E+00	1,91E+00	2,28E+01
365	1,21E+01	9,21E+00	5,63E+00	3,25E+00	6,97E+00	1,91E+00	2,28E+01
400	1,22E+01	9,24E+00	5,65E+00	3,26E+00	6,99E+00	1,91E+00	2,29E+01
500	1,22E+01	9,29E+00	5,67E+00	3,27E+00	7,02E+00	1,91E+00	2,30E+01
600	1,23E+01	9,30E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
700	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
800	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
900	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
1000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
2000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
3000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
4000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
5000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
6000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
8000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
10000	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
13500	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
14600	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
18250	1,23E+01	9,31E+00	5,68E+00	3,27E+00	7,03E+00	1,91E+00	2,30E+01
Eff. Dosis	1,5E-09	1,1E-09	6,7E-10	3,8E-10	3,8E-10	2,1E-10	8,9E-10
Gebärmutter	9,2E-11	1,9E-10	3,3E-10	3,2E-10	6,3E-10	5,1E-10	1,0E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sr-87m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,09E-02	1,88E-02	3,01E-02	2,84E-02	1,09E-02	1,88E-02	3,01E-02	2,84E-02
0,08333	1,93E-02	3,33E-02	5,32E-02	5,01E-02	1,94E-02	3,33E-02	5,32E-02	5,02E-02
0,125	2,58E-02	4,44E-02	7,09E-02	6,69E-02	2,60E-02	4,46E-02	7,11E-02	6,70E-02
0,1667	3,07E-02	5,29E-02	8,46E-02	7,98E-02	3,11E-02	5,32E-02	8,49E-02	8,00E-02
0,2083	3,45E-02	5,95E-02	9,51E-02	8,97E-02	3,51E-02	6,00E-02	9,55E-02	9,01E-02
0,25	3,74E-02	6,45E-02	1,03E-01	9,73E-02	3,82E-02	6,52E-02	1,04E-01	9,78E-02
0,2917	3,97E-02	6,84E-02	1,09E-01	1,03E-01	4,06E-02	6,92E-02	1,10E-01	1,04E-01
0,3333	4,14E-02	7,14E-02	1,14E-01	1,08E-01	4,24E-02	7,23E-02	1,15E-01	1,08E-01
0,375	4,28E-02	7,37E-02	1,18E-01	1,11E-01	4,39E-02	7,48E-02	1,19E-01	1,12E-01
0,4167	4,38E-02	7,55E-02	1,21E-01	1,14E-01	4,50E-02	7,66E-02	1,22E-01	1,15E-01
0,4583	4,46E-02	7,69E-02	1,23E-01	1,16E-01	4,59E-02	7,81E-02	1,24E-01	1,17E-01
0,5	4,52E-02	7,79E-02	1,25E-01	1,18E-01	4,66E-02	7,92E-02	1,26E-01	1,19E-01
0,5417	4,57E-02	7,88E-02	1,26E-01	1,19E-01	4,71E-02	8,01E-02	1,27E-01	1,20E-01
0,5833	4,61E-02	7,94E-02	1,27E-01	1,20E-01	4,75E-02	8,08E-02	1,28E-01	1,21E-01
0,625	4,64E-02	7,99E-02	1,28E-01	1,21E-01	4,79E-02	8,13E-02	1,29E-01	1,22E-01
0,6667	4,66E-02	8,03E-02	1,28E-01	1,21E-01	4,81E-02	8,17E-02	1,30E-01	1,22E-01
0,7083	4,67E-02	8,06E-02	1,29E-01	1,22E-01	4,83E-02	8,20E-02	1,30E-01	1,23E-01
0,75	4,69E-02	8,08E-02	1,29E-01	1,22E-01	4,85E-02	8,23E-02	1,31E-01	1,23E-01
0,7917	4,70E-02	8,10E-02	1,30E-01	1,22E-01	4,86E-02	8,25E-02	1,31E-01	1,23E-01
0,8333	4,71E-02	8,11E-02	1,30E-01	1,22E-01	4,87E-02	8,26E-02	1,31E-01	1,24E-01
0,875	4,71E-02	8,12E-02	1,30E-01	1,23E-01	4,87E-02	8,27E-02	1,31E-01	1,24E-01
0,9167	4,72E-02	8,13E-02	1,30E-01	1,23E-01	4,88E-02	8,28E-02	1,32E-01	1,24E-01
0,9583	4,72E-02	8,13E-02	1,30E-01	1,23E-01	4,88E-02	8,29E-02	1,32E-01	1,24E-01
1	4,72E-02	8,14E-02	1,30E-01	1,23E-01	4,89E-02	8,29E-02	1,32E-01	1,24E-01
1,083	4,73E-02	8,15E-02	1,30E-01	1,23E-01	4,89E-02	8,30E-02	1,32E-01	1,24E-01
1,167	4,73E-02	8,15E-02	1,30E-01	1,23E-01	4,89E-02	8,30E-02	1,32E-01	1,24E-01
1,25	4,73E-02	8,15E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
1,333	4,73E-02	8,15E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
1,417	4,73E-02	8,15E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
1,5	4,73E-02	8,15E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
1,667	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
1,833	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
2	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
3	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
4	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
5	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
6	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
7	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
8	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
9	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
10	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
11	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
12	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
13	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
14	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
15	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
16	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
17	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
18	4,73E-02	8,16E-02	1,30E-01	1,23E-01	4,90E-02	8,31E-02	1,32E-01	1,24E-01
Eff. Dosis	4,3E-12	7,5E-12	1,2E-11	1,1E-11	9,1E-12	1,2E-11	1,7E-11	1,5E-11
Gebärmutter	1,8E-12	2,8E-12	4,4E-12	4,1E-12	8,4E-13	2,4E-12	4,6E-12	4,5E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sr-87m							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,25	fA=0,01	
0,04167	1,09E-02	1,88E-02	3,01E-02	2,84E-02	3,69E-02	3,69E-02	3,67E-02
0,08333	1,94E-02	3,33E-02	5,32E-02	5,02E-02	6,58E-02	6,58E-02	6,49E-02
0,125	2,60E-02	4,46E-02	7,11E-02	6,70E-02	8,83E-02	8,83E-02	8,64E-02
0,1667	3,11E-02	5,33E-02	8,49E-02	8,00E-02	1,06E-01	1,06E-01	1,03E-01
0,2083	3,51E-02	6,00E-02	9,56E-02	9,01E-02	1,20E-01	1,20E-01	1,15E-01
0,25	3,82E-02	6,52E-02	1,04E-01	9,78E-02	1,30E-01	1,30E-01	1,25E-01
0,2917	4,06E-02	6,93E-02	1,10E-01	1,04E-01	1,38E-01	1,39E-01	1,32E-01
0,3333	4,25E-02	7,24E-02	1,15E-01	1,09E-01	1,45E-01	1,45E-01	1,38E-01
0,375	4,40E-02	7,48E-02	1,19E-01	1,12E-01	1,50E-01	1,50E-01	1,43E-01
0,4167	4,51E-02	7,67E-02	1,22E-01	1,15E-01	1,54E-01	1,54E-01	1,46E-01
0,4583	4,60E-02	7,82E-02	1,24E-01	1,17E-01	1,57E-01	1,57E-01	1,49E-01
0,5	4,67E-02	7,93E-02	1,26E-01	1,19E-01	1,59E-01	1,60E-01	1,51E-01
0,5417	4,72E-02	8,02E-02	1,27E-01	1,20E-01	1,61E-01	1,62E-01	1,53E-01
0,5833	4,76E-02	8,09E-02	1,28E-01	1,21E-01	1,62E-01	1,63E-01	1,54E-01
0,625	4,80E-02	8,14E-02	1,29E-01	1,22E-01	1,63E-01	1,64E-01	1,55E-01
0,6667	4,82E-02	8,18E-02	1,30E-01	1,22E-01	1,64E-01	1,65E-01	1,56E-01
0,7083	4,84E-02	8,21E-02	1,30E-01	1,23E-01	1,65E-01	1,66E-01	1,56E-01
0,75	4,86E-02	8,24E-02	1,31E-01	1,23E-01	1,65E-01	1,66E-01	1,57E-01
0,7917	4,87E-02	8,26E-02	1,31E-01	1,23E-01	1,66E-01	1,67E-01	1,57E-01
0,8333	4,88E-02	8,27E-02	1,31E-01	1,24E-01	1,66E-01	1,67E-01	1,57E-01
0,875	4,89E-02	8,28E-02	1,32E-01	1,24E-01	1,66E-01	1,67E-01	1,57E-01
0,9167	4,89E-02	8,29E-02	1,32E-01	1,24E-01	1,66E-01	1,67E-01	1,58E-01
0,9583	4,90E-02	8,30E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1	4,90E-02	8,30E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,083	4,90E-02	8,31E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,167	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,25	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,333	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,417	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,5	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,667	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
1,833	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
2	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
3	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
4	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
5	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
6	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
7	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
8	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
9	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
10	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
11	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
12	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
13	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
14	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
15	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
16	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
17	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
18	4,91E-02	8,32E-02	1,32E-01	1,24E-01	1,67E-01	1,68E-01	1,58E-01
Eff. Dosis	9,4E-12	1,3E-11	1,8E-11	1,5E-11	2,3E-11	2,3E-11	8,7E-12
Gebärmutter	7,6E-13	2,4E-12	4,7E-12	4,6E-12	1,3E-11	1,4E-11	7,6E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Y-88

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,72E-01	4,53E-01	7,13E-01	6,70E-01	2,79E-01	4,58E-01	7,16E-01	6,71E-01
2	4,92E-01	7,69E-01	1,17E+00	1,09E+00	5,14E-01	7,84E-01	1,18E+00	1,10E+00
3	6,65E-01	9,57E-01	1,40E+00	1,28E+00	7,06E-01	9,84E-01	1,41E+00	1,29E+00
3,5	7,43E-01	1,03E+00	1,46E+00	1,33E+00	7,93E-01	1,06E+00	1,47E+00	1,33E+00
4	8,16E-01	1,08E+00	1,50E+00	1,36E+00	8,76E-01	1,12E+00	1,52E+00	1,36E+00
5	9,58E-01	1,19E+00	1,57E+00	1,40E+00	1,04E+00	1,24E+00	1,59E+00	1,40E+00
6	1,10E+00	1,29E+00	1,63E+00	1,44E+00	1,19E+00	1,35E+00	1,65E+00	1,43E+00
7	1,23E+00	1,38E+00	1,68E+00	1,46E+00	1,34E+00	1,45E+00	1,70E+00	1,46E+00
8	1,36E+00	1,48E+00	1,74E+00	1,49E+00	1,48E+00	1,56E+00	1,76E+00	1,49E+00
9	1,49E+00	1,57E+00	1,79E+00	1,52E+00	1,63E+00	1,66E+00	1,81E+00	1,51E+00
10	1,62E+00	1,66E+00	1,84E+00	1,55E+00	1,77E+00	1,76E+00	1,86E+00	1,54E+00
11	1,75E+00	1,75E+00	1,89E+00	1,57E+00	1,91E+00	1,86E+00	1,91E+00	1,56E+00
12	1,88E+00	1,84E+00	1,94E+00	1,60E+00	2,05E+00	1,96E+00	1,96E+00	1,58E+00
13	2,00E+00	1,93E+00	1,99E+00	1,63E+00	2,18E+00	2,05E+00	2,01E+00	1,61E+00
14	2,13E+00	2,02E+00	2,04E+00	1,65E+00	2,31E+00	2,15E+00	2,06E+00	1,63E+00
15	2,25E+00	2,11E+00	2,09E+00	1,68E+00	2,45E+00	2,24E+00	2,11E+00	1,65E+00
20	2,85E+00	2,54E+00	2,34E+00	1,80E+00	3,08E+00	2,70E+00	2,35E+00	1,76E+00
30	3,99E+00	3,35E+00	2,79E+00	2,04E+00	4,27E+00	3,55E+00	2,78E+00	1,97E+00
40	5,06E+00	4,10E+00	3,22E+00	2,26E+00	5,36E+00	4,33E+00	3,18E+00	2,15E+00
45	5,56E+00	4,46E+00	3,42E+00	2,37E+00	5,86E+00	4,69E+00	3,37E+00	2,24E+00
50	6,05E+00	4,81E+00	3,62E+00	2,47E+00	6,35E+00	5,04E+00	3,55E+00	2,32E+00
60	6,98E+00	5,47E+00	3,99E+00	2,66E+00	7,26E+00	5,69E+00	3,89E+00	2,48E+00
70	7,86E+00	6,09E+00	4,34E+00	2,84E+00	8,10E+00	6,29E+00	4,20E+00	2,63E+00
80	8,67E+00	6,66E+00	4,67E+00	3,01E+00	8,87E+00	6,84E+00	4,48E+00	2,76E+00
90	9,43E+00	7,20E+00	4,98E+00	3,17E+00	9,58E+00	7,35E+00	4,75E+00	2,88E+00
100	1,01E+01	7,71E+00	5,26E+00	3,32E+00	1,02E+01	7,82E+00	4,99E+00	3,00E+00
120	1,14E+01	8,63E+00	5,78E+00	3,59E+00	1,14E+01	8,65E+00	5,42E+00	3,20E+00
180	1,44E+01	1,07E+01	6,98E+00	4,21E+00	1,39E+01	1,05E+01	6,37E+00	3,64E+00
200	1,52E+01	1,13E+01	7,28E+00	4,37E+00	1,46E+01	1,09E+01	6,60E+00	3,75E+00
300	1,78E+01	1,31E+01	8,32E+00	4,91E+00	1,66E+01	1,24E+01	7,36E+00	4,11E+00
360	1,87E+01	1,38E+01	8,68E+00	5,09E+00	1,73E+01	1,29E+01	7,62E+00	4,23E+00
365	1,87E+01	1,38E+01	8,71E+00	5,11E+00	1,73E+01	1,29E+01	7,64E+00	4,24E+00
400	1,91E+01	1,41E+01	8,85E+00	5,18E+00	1,76E+01	1,31E+01	7,74E+00	4,29E+00
500	1,98E+01	1,45E+01	9,13E+00	5,32E+00	1,81E+01	1,35E+01	7,93E+00	4,38E+00
600	2,01E+01	1,48E+01	9,27E+00	5,40E+00	1,84E+01	1,37E+01	8,03E+00	4,42E+00
700	2,03E+01	1,49E+01	9,34E+00	5,44E+00	1,85E+01	1,38E+01	8,08E+00	4,45E+00
800	2,04E+01	1,50E+01	9,38E+00	5,46E+00	1,86E+01	1,38E+01	8,10E+00	4,46E+00
900	2,04E+01	1,50E+01	9,40E+00	5,47E+00	1,86E+01	1,38E+01	8,11E+00	4,47E+00
1000	2,05E+01	1,50E+01	9,41E+00	5,47E+00	1,87E+01	1,39E+01	8,12E+00	4,47E+00
2000	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
3000	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
4000	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
5000	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
6000	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
8000	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
10000	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
13500	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
14600	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
18250	2,05E+01	1,51E+01	9,42E+00	5,48E+00	1,87E+01	1,39E+01	8,13E+00	4,47E+00
Eff. Dosis	4,5E-09	3,4E-09	2,3E-09	1,5E-09	6,6E-09	5,0E-09	3,0E-09	1,7E-09
Gebärmutter	3,5E-09	3,0E-09	2,7E-09	2,1E-09	1,9E-09	1,9E-09	2,0E-09	1,7E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Y-88						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,59E-01	7,16E-01	6,71E-01	9,38E-01	8,65E-01
2	5,19E-01	7,88E-01	1,18E+00	1,10E+00	1,47E+00	1,69E+00
3	7,16E-01	9,91E-01	1,41E+00	1,29E+00	1,65E+00	2,49E+00
3,5	8,06E-01	1,07E+00	1,47E+00	1,33E+00	1,68E+00	2,89E+00
4	8,91E-01	1,13E+00	1,52E+00	1,37E+00	1,69E+00	3,29E+00
5	1,06E+00	1,25E+00	1,59E+00	1,41E+00	1,70E+00	4,06E+00
6	1,21E+00	1,36E+00	1,65E+00	1,43E+00	1,70E+00	4,83E+00
7	1,37E+00	1,47E+00	1,71E+00	1,46E+00	1,70E+00	5,59E+00
8	1,52E+00	1,58E+00	1,76E+00	1,49E+00	1,70E+00	6,33E+00
9	1,66E+00	1,68E+00	1,81E+00	1,51E+00	1,70E+00	7,07E+00
10	1,81E+00	1,79E+00	1,87E+00	1,53E+00	1,70E+00	7,80E+00
11	1,95E+00	1,89E+00	1,92E+00	1,56E+00	1,70E+00	8,53E+00
12	2,09E+00	1,99E+00	1,97E+00	1,58E+00	1,70E+00	9,24E+00
13	2,23E+00	2,09E+00	2,02E+00	1,60E+00	1,70E+00	9,95E+00
14	2,37E+00	2,19E+00	2,07E+00	1,63E+00	1,70E+00	1,07E+01
15	2,50E+00	2,28E+00	2,12E+00	1,65E+00	1,70E+00	1,14E+01
20	3,16E+00	2,75E+00	2,35E+00	1,76E+00	1,70E+00	1,48E+01
30	4,38E+00	3,63E+00	2,80E+00	1,96E+00	1,70E+00	2,12E+01
40	5,50E+00	4,43E+00	3,20E+00	2,14E+00	1,71E+00	2,73E+01
45	6,03E+00	4,81E+00	3,39E+00	2,22E+00	1,71E+00	3,01E+01
50	6,53E+00	5,17E+00	3,57E+00	2,31E+00	1,71E+00	3,29E+01
60	7,47E+00	5,85E+00	3,92E+00	2,46E+00	1,71E+00	3,82E+01
70	8,34E+00	6,48E+00	4,23E+00	2,60E+00	1,71E+00	4,31E+01
80	9,14E+00	7,05E+00	4,52E+00	2,73E+00	1,71E+00	4,77E+01
90	9,88E+00	7,58E+00	4,79E+00	2,86E+00	1,71E+00	5,20E+01
100	1,06E+01	8,07E+00	5,03E+00	2,97E+00	1,71E+00	5,61E+01
120	1,18E+01	8,93E+00	5,47E+00	3,16E+00	1,71E+00	6,34E+01
180	1,44E+01	1,08E+01	6,41E+00	3,59E+00	1,71E+00	8,03E+01
200	1,50E+01	1,12E+01	6,63E+00	3,69E+00	1,71E+00	8,46E+01
300	1,69E+01	1,27E+01	7,35E+00	4,02E+00	1,71E+00	9,92E+01
360	1,76E+01	1,31E+01	7,57E+00	4,12E+00	1,71E+00	1,04E+02
365	1,76E+01	1,31E+01	7,59E+00	4,13E+00	1,71E+00	1,05E+02
400	1,78E+01	1,33E+01	7,68E+00	4,17E+00	1,71E+00	1,07E+02
500	1,83E+01	1,36E+01	7,83E+00	4,23E+00	1,71E+00	1,11E+02
600	1,85E+01	1,38E+01	7,90E+00	4,27E+00	1,71E+00	1,13E+02
700	1,85E+01	1,38E+01	7,94E+00	4,28E+00	1,71E+00	1,14E+02
800	1,86E+01	1,39E+01	7,95E+00	4,29E+00	1,71E+00	1,14E+02
900	1,86E+01	1,39E+01	7,96E+00	4,30E+00	1,71E+00	1,14E+02
1000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
2000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
3000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
4000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
5000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
6000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
8000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
10000	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
13500	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
14600	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
18250	1,86E+01	1,39E+01	7,97E+00	4,30E+00	1,71E+00	1,15E+02
Eff. Dosis	9,1E-09	6,8E-09	3,9E-09	2,1E-09	9,0E-10	2,4E-08
Gebärmutter	6,33E-10	1,0E-09	1,6E-09	1,5E-09	2,3E-09	1,9E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Zr-89								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,52E-01	4,16E-01	6,52E-01	6,12E-01	2,54E-01	4,16E-01	6,50E-01	6,10E-01
2	4,32E-01	6,77E-01	1,03E+00	9,63E-01	4,30E-01	6,60E-01	9,98E-01	9,28E-01
3	5,60E-01	8,31E-01	1,23E+00	1,14E+00	5,48E-01	7,84E-01	1,14E+00	1,05E+00
3,5	6,11E-01	8,87E-01	1,30E+00	1,19E+00	5,94E-01	8,23E-01	1,17E+00	1,07E+00
4	6,56E-01	9,34E-01	1,35E+00	1,24E+00	6,34E-01	8,54E-01	1,19E+00	1,09E+00
5	7,31E-01	1,01E+00	1,44E+00	1,31E+00	7,00E-01	9,02E-01	1,22E+00	1,10E+00
6	7,92E-01	1,07E+00	1,50E+00	1,36E+00	7,51E-01	9,40E-01	1,24E+00	1,11E+00
7	8,40E-01	1,12E+00	1,55E+00	1,40E+00	7,92E-01	9,69E-01	1,26E+00	1,12E+00
8	8,79E-01	1,16E+00	1,59E+00	1,44E+00	8,25E-01	9,92E-01	1,27E+00	1,13E+00
9	9,10E-01	1,19E+00	1,63E+00	1,46E+00	8,51E-01	1,01E+00	1,28E+00	1,13E+00
10	9,35E-01	1,21E+00	1,65E+00	1,49E+00	8,72E-01	1,03E+00	1,29E+00	1,14E+00
11	9,55E-01	1,23E+00	1,67E+00	1,50E+00	8,89E-01	1,04E+00	1,30E+00	1,14E+00
12	9,72E-01	1,25E+00	1,69E+00	1,52E+00	9,02E-01	1,05E+00	1,30E+00	1,14E+00
13	9,85E-01	1,26E+00	1,71E+00	1,53E+00	9,13E-01	1,06E+00	1,31E+00	1,15E+00
14	9,95E-01	1,27E+00	1,72E+00	1,54E+00	9,22E-01	1,06E+00	1,31E+00	1,15E+00
15	1,00E+00	1,28E+00	1,73E+00	1,55E+00	9,29E-01	1,07E+00	1,31E+00	1,15E+00
20	1,03E+00	1,31E+00	1,75E+00	1,57E+00	9,48E-01	1,08E+00	1,32E+00	1,15E+00
30	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,56E-01	1,09E+00	1,32E+00	1,15E+00
40	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,57E-01	1,09E+00	1,32E+00	1,15E+00
45	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,57E-01	1,09E+00	1,32E+00	1,15E+00
50	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
60	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
70	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
80	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
90	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
100	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
120	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
180	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
200	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
300	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
360	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
365	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
400	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
500	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
600	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
700	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
800	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
900	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
1000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
2000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
3000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
4000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
5000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
6000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
8000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
10000	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
13500	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
14600	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
18250	1,04E+00	1,32E+00	1,76E+00	1,58E+00	9,58E-01	1,09E+00	1,32E+00	1,15E+00
Eff. Dosis	1,7E-10	2,3E-10	3,4E-10	3,1E-10	3,3E-10	3,3E-10	3,7E-10	3,1E-10
Gebärmutter	1,3E-10	2,6E-10	4,5E-10	4,3E-10	1,0E-10	2,7E-10	5,0E-10	4,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Zr-89						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,54E-01	4,16E-01	6,50E-01	6,10E-01	8,51E-01	8,87E-01
2	4,30E-01	6,60E-01	9,97E-01	9,27E-01	1,25E+00	1,59E+00
3	5,49E-01	7,83E-01	1,13E+00	1,04E+00	1,36E+00	2,16E+00
3,5	5,95E-01	8,22E-01	1,17E+00	1,07E+00	1,37E+00	2,40E+00
4	6,34E-01	8,52E-01	1,19E+00	1,08E+00	1,38E+00	2,61E+00
5	6,99E-01	9,00E-01	1,22E+00	1,10E+00	1,39E+00	2,98E+00
6	7,50E-01	9,36E-01	1,24E+00	1,11E+00	1,39E+00	3,27E+00
7	7,91E-01	9,65E-01	1,25E+00	1,11E+00	1,39E+00	3,50E+00
8	8,23E-01	9,88E-01	1,26E+00	1,12E+00	1,39E+00	3,69E+00
9	8,49E-01	1,01E+00	1,27E+00	1,12E+00	1,39E+00	3,84E+00
10	8,70E-01	1,02E+00	1,28E+00	1,13E+00	1,39E+00	3,97E+00
11	8,86E-01	1,03E+00	1,29E+00	1,13E+00	1,39E+00	4,06E+00
12	8,99E-01	1,04E+00	1,29E+00	1,13E+00	1,39E+00	4,14E+00
13	9,10E-01	1,05E+00	1,29E+00	1,13E+00	1,39E+00	4,21E+00
14	9,18E-01	1,06E+00	1,30E+00	1,13E+00	1,39E+00	4,26E+00
15	9,25E-01	1,06E+00	1,30E+00	1,14E+00	1,39E+00	4,30E+00
20	9,44E-01	1,07E+00	1,31E+00	1,14E+00	1,39E+00	4,41E+00
30	9,53E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,46E+00
40	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
45	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
50	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
60	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
70	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
80	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
90	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
100	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
120	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
180	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
200	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
300	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
360	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
365	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
400	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
500	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
600	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
700	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
800	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
900	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
1000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
2000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
3000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
4000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
5000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
6000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
8000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
10000	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
13500	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
14600	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
18250	9,54E-01	1,08E+00	1,31E+00	1,14E+00	1,39E+00	4,47E+00
Eff. Dosis	3,7E-10	3,6E-10	3,8E-10	3,1E-10	4,0E-10	6,6E-10
Gebärmutter	9,27E-11	2,6E-10	5,0E-10	4,8E-10	8,4E-10	3,7E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Zr-95								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,78E-01	4,58E-01	7,17E-01	6,73E-01	2,79E-01	4,58E-01	7,15E-01	6,70E-01
2	5,20E-01	8,08E-01	1,23E+00	1,14E+00	5,17E-01	7,85E-01	1,18E+00	1,10E+00
3	7,31E-01	1,06E+00	1,56E+00	1,43E+00	7,12E-01	9,87E-01	1,41E+00	1,29E+00
3,5	8,29E-01	1,17E+00	1,68E+00	1,54E+00	8,00E-01	1,06E+00	1,47E+00	1,33E+00
4	9,25E-01	1,27E+00	1,79E+00	1,63E+00	8,85E-01	1,13E+00	1,52E+00	1,37E+00
5	1,11E+00	1,46E+00	2,00E+00	1,80E+00	1,05E+00	1,25E+00	1,59E+00	1,41E+00
6	1,29E+00	1,64E+00	2,20E+00	1,96E+00	1,20E+00	1,36E+00	1,66E+00	1,44E+00
7	1,47E+00	1,82E+00	2,39E+00	2,12E+00	1,35E+00	1,47E+00	1,71E+00	1,47E+00
8	1,65E+00	1,99E+00	2,57E+00	2,27E+00	1,50E+00	1,57E+00	1,77E+00	1,50E+00
9	1,82E+00	2,17E+00	2,76E+00	2,42E+00	1,65E+00	1,68E+00	1,83E+00	1,53E+00
10	1,99E+00	2,33E+00	2,94E+00	2,57E+00	1,79E+00	1,78E+00	1,88E+00	1,55E+00
11	2,16E+00	2,50E+00	3,12E+00	2,72E+00	1,93E+00	1,88E+00	1,94E+00	1,58E+00
12	2,32E+00	2,66E+00	3,29E+00	2,86E+00	2,06E+00	1,98E+00	1,99E+00	1,61E+00
13	2,49E+00	2,83E+00	3,46E+00	3,00E+00	2,20E+00	2,07E+00	2,04E+00	1,63E+00
14	2,65E+00	2,99E+00	3,63E+00	3,14E+00	2,33E+00	2,17E+00	2,09E+00	1,66E+00
15	2,80E+00	3,14E+00	3,80E+00	3,28E+00	2,46E+00	2,26E+00	2,14E+00	1,68E+00
20	3,56E+00	3,89E+00	4,60E+00	3,94E+00	3,08E+00	2,71E+00	2,38E+00	1,80E+00
30	4,93E+00	5,26E+00	6,06E+00	5,13E+00	4,20E+00	3,52E+00	2,82E+00	2,01E+00
40	6,15E+00	6,47E+00	7,35E+00	6,19E+00	5,18E+00	4,23E+00	3,20E+00	2,20E+00
45	6,71E+00	7,02E+00	7,95E+00	6,67E+00	5,63E+00	4,55E+00	3,37E+00	2,28E+00
50	7,23E+00	7,55E+00	8,51E+00	7,13E+00	6,04E+00	4,85E+00	3,53E+00	2,36E+00
60	8,20E+00	8,51E+00	9,54E+00	7,97E+00	6,81E+00	5,40E+00	3,83E+00	2,51E+00
70	9,07E+00	9,38E+00	1,05E+01	8,73E+00	7,48E+00	5,89E+00	4,09E+00	2,64E+00
80	9,85E+00	1,02E+01	1,13E+01	9,41E+00	8,07E+00	6,32E+00	4,32E+00	2,75E+00
90	1,06E+01	1,08E+01	1,20E+01	1,00E+01	8,60E+00	6,70E+00	4,52E+00	2,85E+00
100	1,12E+01	1,15E+01	1,27E+01	1,06E+01	9,06E+00	7,04E+00	4,71E+00	2,94E+00
120	1,22E+01	1,25E+01	1,38E+01	1,15E+01	9,84E+00	7,60E+00	5,01E+00	3,09E+00
180	1,43E+01	1,46E+01	1,60E+01	1,33E+01	1,13E+01	8,67E+00	5,59E+00	3,38E+00
200	1,48E+01	1,50E+01	1,65E+01	1,37E+01	1,16E+01	8,89E+00	5,71E+00	3,44E+00
300	1,60E+01	1,62E+01	1,78E+01	1,47E+01	1,24E+01	9,47E+00	6,02E+00	3,60E+00
360	1,63E+01	1,65E+01	1,81E+01	1,50E+01	1,26E+01	9,61E+00	6,10E+00	3,63E+00
365	1,63E+01	1,65E+01	1,81E+01	1,50E+01	1,26E+01	9,62E+00	6,10E+00	3,64E+00
400	1,64E+01	1,66E+01	1,82E+01	1,51E+01	1,27E+01	9,66E+00	6,13E+00	3,65E+00
500	1,65E+01	1,68E+01	1,84E+01	1,52E+01	1,28E+01	9,72E+00	6,16E+00	3,66E+00
600	1,66E+01	1,68E+01	1,84E+01	1,52E+01	1,28E+01	9,74E+00	6,17E+00	3,67E+00
700	1,66E+01	1,68E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
800	1,66E+01	1,68E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
900	1,66E+01	1,68E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
1000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
2000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
3000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
4000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
5000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
6000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
8000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
10000	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
13500	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
14600	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
18250	1,66E+01	1,69E+01	1,84E+01	1,53E+01	1,28E+01	9,75E+00	6,18E+00	3,67E+00
Eff. Dosis	2,6E-09	2,6E-09	2,9E-09	2,4E-09	4,4E-09	3,2E-09	1,9E-09	1,1E-09
Gebärmutter	1,6E-09	1,7E-09	2,0E-09	1,7E-09	7,0E-10	6,9E-10	7,1E-10	5,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Zr-95						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,58E-01	7,15E-01	6,70E-01	9,36E-01	9,79E-01
2	5,17E-01	7,85E-01	1,18E+00	1,09E+00	1,46E+00	1,93E+00
3	7,13E-01	9,86E-01	1,40E+00	1,28E+00	1,64E+00	2,87E+00
3,5	8,01E-01	1,06E+00	1,46E+00	1,33E+00	1,67E+00	3,33E+00
4	8,85E-01	1,13E+00	1,51E+00	1,36E+00	1,69E+00	3,79E+00
5	1,05E+00	1,24E+00	1,58E+00	1,40E+00	1,70E+00	4,69E+00
6	1,20E+00	1,35E+00	1,64E+00	1,43E+00	1,70E+00	5,57E+00
7	1,35E+00	1,46E+00	1,69E+00	1,45E+00	1,70E+00	6,44E+00
8	1,50E+00	1,56E+00	1,75E+00	1,48E+00	1,71E+00	7,29E+00
9	1,64E+00	1,66E+00	1,80E+00	1,50E+00	1,71E+00	8,13E+00
10	1,78E+00	1,76E+00	1,85E+00	1,52E+00	1,71E+00	8,96E+00
11	1,92E+00	1,86E+00	1,90E+00	1,55E+00	1,71E+00	9,77E+00
12	2,05E+00	1,96E+00	1,95E+00	1,57E+00	1,71E+00	1,06E+01
13	2,18E+00	2,05E+00	2,00E+00	1,59E+00	1,71E+00	1,14E+01
14	2,31E+00	2,14E+00	2,04E+00	1,61E+00	1,72E+00	1,21E+01
15	2,44E+00	2,23E+00	2,09E+00	1,63E+00	1,72E+00	1,29E+01
20	3,05E+00	2,67E+00	2,31E+00	1,73E+00	1,72E+00	1,66E+01
30	4,14E+00	3,46E+00	2,71E+00	1,91E+00	1,74E+00	2,32E+01
40	5,11E+00	4,15E+00	3,06E+00	2,07E+00	1,75E+00	2,92E+01
45	5,55E+00	4,47E+00	3,22E+00	2,14E+00	1,75E+00	3,19E+01
50	5,96E+00	4,76E+00	3,37E+00	2,21E+00	1,76E+00	3,44E+01
60	6,71E+00	5,30E+00	3,64E+00	2,33E+00	1,77E+00	3,91E+01
70	7,36E+00	5,77E+00	3,88E+00	2,44E+00	1,78E+00	4,34E+01
80	7,94E+00	6,19E+00	4,09E+00	2,54E+00	1,79E+00	4,72E+01
90	8,45E+00	6,56E+00	4,27E+00	2,62E+00	1,79E+00	5,05E+01
100	8,90E+00	6,88E+00	4,44E+00	2,70E+00	1,80E+00	5,36E+01
120	9,65E+00	7,42E+00	4,71E+00	2,82E+00	1,81E+00	5,87E+01
180	1,10E+01	8,41E+00	5,21E+00	3,05E+00	1,83E+00	6,89E+01
200	1,13E+01	8,61E+00	5,31E+00	3,09E+00	1,83E+00	7,10E+01
300	1,20E+01	9,11E+00	5,56E+00	3,21E+00	1,84E+00	7,69E+01
360	1,22E+01	9,22E+00	5,62E+00	3,24E+00	1,85E+00	7,83E+01
365	1,22E+01	9,22E+00	5,62E+00	3,24E+00	1,85E+00	7,84E+01
400	1,22E+01	9,26E+00	5,64E+00	3,24E+00	1,85E+00	7,89E+01
500	1,23E+01	9,30E+00	5,66E+00	3,26E+00	1,85E+00	7,95E+01
600	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,98E+01
700	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,98E+01
800	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
900	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
1000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
2000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
3000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
4000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
5000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
6000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
8000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
10000	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
13500	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
14600	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
18250	1,23E+01	9,32E+00	5,67E+00	3,26E+00	1,85E+00	7,99E+01
Eff. Dosis	6,1E-09	4,5E-09	2,6E-09	1,4E-09	3,2E-10	1,2E-08
Gebärmutter	2,0E-10	3,2E-10	5,1E-10	4,7E-10	7,5E-10	7,6E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Nb-94								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,61E-01	4,43E-01	7,04E-01	6,63E-01	2,79E-01	4,58E-01	7,17E-01	6,73E-01
2	4,68E-01	7,61E-01	1,19E+00	1,11E+00	5,14E-01	7,86E-01	1,19E+00	1,10E+00
3	6,30E-01	9,70E-01	1,47E+00	1,36E+00	7,05E-01	9,88E-01	1,42E+00	1,30E+00
3,5	7,00E-01	1,05E+00	1,56E+00	1,45E+00	7,91E-01	1,06E+00	1,48E+00	1,35E+00
4	7,66E-01	1,12E+00	1,65E+00	1,52E+00	8,73E-01	1,13E+00	1,53E+00	1,38E+00
5	8,86E-01	1,24E+00	1,79E+00	1,63E+00	1,03E+00	1,24E+00	1,60E+00	1,42E+00
6	9,95E-01	1,36E+00	1,91E+00	1,73E+00	1,18E+00	1,35E+00	1,66E+00	1,45E+00
7	1,10E+00	1,46E+00	2,02E+00	1,83E+00	1,33E+00	1,45E+00	1,71E+00	1,48E+00
8	1,19E+00	1,56E+00	2,12E+00	1,91E+00	1,47E+00	1,56E+00	1,77E+00	1,50E+00
9	1,29E+00	1,65E+00	2,22E+00	1,99E+00	1,61E+00	1,65E+00	1,82E+00	1,53E+00
10	1,37E+00	1,74E+00	2,32E+00	2,07E+00	1,74E+00	1,75E+00	1,87E+00	1,55E+00
11	1,46E+00	1,82E+00	2,41E+00	2,15E+00	1,88E+00	1,85E+00	1,92E+00	1,58E+00
12	1,54E+00	1,90E+00	2,50E+00	2,22E+00	2,01E+00	1,95E+00	1,97E+00	1,60E+00
13	1,62E+00	1,99E+00	2,59E+00	2,29E+00	2,15E+00	2,04E+00	2,02E+00	1,63E+00
14	1,70E+00	2,06E+00	2,67E+00	2,36E+00	2,28E+00	2,13E+00	2,07E+00	1,65E+00
15	1,78E+00	2,14E+00	2,76E+00	2,43E+00	2,40E+00	2,23E+00	2,12E+00	1,67E+00
20	2,15E+00	2,52E+00	3,16E+00	2,76E+00	3,04E+00	2,68E+00	2,36E+00	1,79E+00
30	2,87E+00	3,24E+00	3,93E+00	3,40E+00	4,24E+00	3,55E+00	2,81E+00	2,00E+00
40	3,57E+00	3,93E+00	4,68E+00	4,02E+00	5,39E+00	4,38E+00	3,25E+00	2,21E+00
45	3,91E+00	4,27E+00	5,05E+00	4,32E+00	5,95E+00	4,78E+00	3,46E+00	2,31E+00
50	4,24E+00	4,61E+00	5,42E+00	4,62E+00	6,49E+00	5,17E+00	3,66E+00	2,40E+00
60	4,91E+00	5,28E+00	6,13E+00	5,20E+00	7,54E+00	5,93E+00	4,06E+00	2,59E+00
70	5,56E+00	5,93E+00	6,83E+00	5,78E+00	8,54E+00	6,65E+00	4,44E+00	2,77E+00
80	6,19E+00	6,56E+00	7,52E+00	6,34E+00	9,50E+00	7,35E+00	4,80E+00	2,95E+00
90	6,82E+00	7,19E+00	8,19E+00	6,90E+00	1,04E+01	8,01E+00	5,15E+00	3,11E+00
100	7,43E+00	7,80E+00	8,85E+00	7,44E+00	1,13E+01	8,65E+00	5,48E+00	3,27E+00
120	8,62E+00	8,99E+00	1,01E+01	8,49E+00	1,30E+01	9,84E+00	6,11E+00	3,57E+00
180	1,20E+01	1,23E+01	1,37E+01	1,14E+01	1,72E+01	1,29E+01	7,74E+00	4,36E+00
200	1,30E+01	1,34E+01	1,49E+01	1,24E+01	1,84E+01	1,38E+01	8,21E+00	4,59E+00
300	1,79E+01	1,83E+01	2,01E+01	1,67E+01	2,35E+01	1,75E+01	1,02E+01	5,55E+00
360	2,06E+01	2,09E+01	2,30E+01	1,91E+01	2,60E+01	1,93E+01	1,12E+01	6,03E+00
365	2,08E+01	2,12E+01	2,32E+01	1,93E+01	2,62E+01	1,95E+01	1,12E+01	6,07E+00
400	2,23E+01	2,27E+01	2,49E+01	2,06E+01	2,75E+01	2,04E+01	1,17E+01	6,32E+00
500	2,64E+01	2,68E+01	2,93E+01	2,42E+01	3,08E+01	2,28E+01	1,30E+01	6,97E+00
600	3,03E+01	3,07E+01	3,35E+01	2,76E+01	3,37E+01	2,49E+01	1,42E+01	7,54E+00
700	3,40E+01	3,44E+01	3,74E+01	3,09E+01	3,63E+01	2,68E+01	1,52E+01	8,07E+00
800	3,75E+01	3,79E+01	4,13E+01	3,41E+01	3,87E+01	2,85E+01	1,62E+01	8,56E+00
900	4,10E+01	4,14E+01	4,50E+01	3,72E+01	4,10E+01	3,02E+01	1,71E+01	9,03E+00
1000	4,44E+01	4,48E+01	4,87E+01	4,01E+01	4,32E+01	3,18E+01	1,80E+01	9,48E+00
2000	7,44E+01	7,48E+01	8,10E+01	6,67E+01	6,23E+01	4,57E+01	2,57E+01	1,34E+01
3000	9,95E+01	1,00E+02	1,08E+02	8,90E+01	7,81E+01	5,72E+01	3,20E+01	1,67E+01
4000	1,21E+02	1,22E+02	1,32E+02	1,08E+02	9,17E+01	6,71E+01	3,75E+01	1,95E+01
5000	1,40E+02	1,41E+02	1,52E+02	1,25E+02	1,04E+02	7,58E+01	4,23E+01	2,19E+01
6000	1,57E+02	1,58E+02	1,70E+02	1,40E+02	1,14E+02	8,35E+01	4,66E+01	2,41E+01
8000	1,87E+02	1,87E+02	2,02E+02	1,66E+02	1,33E+02	9,69E+01	5,40E+01	2,79E+01
10000	2,11E+02	2,12E+02	2,29E+02	1,88E+02	1,48E+02	1,08E+02	6,02E+01	3,10E+01
13500	2,46E+02	2,47E+02	2,66E+02	2,19E+02	1,70E+02	1,24E+02	6,89E+01	3,55E+01
14600	2,55E+02	2,56E+02	2,76E+02	2,27E+02	1,75E+02	1,28E+02	7,12E+01	3,67E+01
18250	2,55E+02	2,56E+02	2,76E+02	2,27E+02	1,75E+02	1,28E+02	7,12E+01	3,67E+01
Eff. Dosis	3,5E-08	3,5E-08	3,8E-08	3,1E-08	3,1E-08	2,3E-08	1,3E-08	6,6E-09
Gebärmutter	2,8E-08	2,8E-08	3,0E-08	2,5E-08	1,7E-08	1,3E-08	7,9E-09	4,5E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Nb-94						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,41E-01	8,87E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,48E+00	1,66E+00
3	7,23E-01	9,99E-01	1,42E+00	1,30E+00	1,66E+00	2,35E+00
3,5	8,13E-01	1,08E+00	1,48E+00	1,34E+00	1,70E+00	2,67E+00
4	9,01E-01	1,14E+00	1,53E+00	1,38E+00	1,71E+00	2,98E+00
5	1,07E+00	1,27E+00	1,61E+00	1,42E+00	1,73E+00	3,55E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,74E+00	4,08E+00
7	1,39E+00	1,50E+00	1,73E+00	1,48E+00	1,74E+00	4,57E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,75E+00	5,04E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	1,75E+00	5,48E+00
10	1,86E+00	1,83E+00	1,89E+00	1,55E+00	1,76E+00	5,91E+00
11	2,01E+00	1,93E+00	1,95E+00	1,58E+00	1,76E+00	6,32E+00
12	2,16E+00	2,04E+00	2,00E+00	1,60E+00	1,76E+00	6,72E+00
13	2,31E+00	2,15E+00	2,06E+00	1,63E+00	1,77E+00	7,11E+00
14	2,46E+00	2,26E+00	2,11E+00	1,65E+00	1,77E+00	7,49E+00
15	2,61E+00	2,36E+00	2,17E+00	1,68E+00	1,78E+00	7,86E+00
20	3,34E+00	2,89E+00	2,43E+00	1,80E+00	1,79E+00	9,68E+00
30	4,77E+00	3,91E+00	2,95E+00	2,03E+00	1,83E+00	1,32E+01
40	6,16E+00	4,92E+00	3,45E+00	2,26E+00	1,86E+00	1,65E+01
45	6,85E+00	5,41E+00	3,70E+00	2,37E+00	1,88E+00	1,82E+01
50	7,53E+00	5,90E+00	3,95E+00	2,48E+00	1,90E+00	1,98E+01
60	8,88E+00	6,87E+00	4,44E+00	2,70E+00	1,93E+00	2,30E+01
70	1,02E+01	7,81E+00	4,91E+00	2,92E+00	1,96E+00	2,62E+01
80	1,15E+01	8,74E+00	5,38E+00	3,13E+00	1,99E+00	2,93E+01
90	1,28E+01	9,65E+00	5,84E+00	3,34E+00	2,02E+00	3,23E+01
100	1,40E+01	1,05E+01	6,29E+00	3,54E+00	2,05E+00	3,53E+01
120	1,64E+01	1,23E+01	7,17E+00	3,94E+00	2,11E+00	4,10E+01
180	2,32E+01	1,71E+01	9,61E+00	5,05E+00	2,27E+00	5,72E+01
200	2,53E+01	1,86E+01	1,04E+01	5,39E+00	2,32E+00	6,23E+01
300	3,48E+01	2,55E+01	1,39E+01	6,97E+00	2,56E+00	8,58E+01
360	3,99E+01	2,92E+01	1,57E+01	7,82E+00	2,69E+00	9,89E+01
365	4,03E+01	2,95E+01	1,59E+01	7,89E+00	2,70E+00	9,99E+01
400	4,31E+01	3,15E+01	1,69E+01	8,35E+00	2,77E+00	1,07E+02
500	5,04E+01	3,67E+01	1,96E+01	9,57E+00	2,97E+00	1,27E+02
600	5,70E+01	4,15E+01	2,20E+01	1,07E+01	3,16E+00	1,46E+02
700	6,31E+01	4,59E+01	2,42E+01	1,17E+01	3,34E+00	1,64E+02
800	6,88E+01	5,00E+01	2,63E+01	1,27E+01	3,51E+00	1,81E+02
900	7,43E+01	5,40E+01	2,83E+01	1,36E+01	3,68E+00	1,98E+02
1000	7,94E+01	5,77E+01	3,02E+01	1,45E+01	3,84E+00	2,14E+02
2000	1,25E+02	9,07E+01	4,71E+01	2,23E+01	5,30E+00	3,60E+02
3000	1,66E+02	1,20E+02	6,22E+01	2,92E+01	6,51E+00	4,82E+02
4000	2,03E+02	1,47E+02	7,60E+01	3,56E+01	7,57E+00	5,87E+02
5000	2,38E+02	1,72E+02	8,86E+01	4,15E+01	8,49E+00	6,79E+02
6000	2,69E+02	1,95E+02	1,00E+02	4,68E+01	9,31E+00	7,62E+02
8000	3,24E+02	2,34E+02	1,21E+02	5,62E+01	1,07E+01	9,04E+02
10000	3,70E+02	2,68E+02	1,38E+02	6,41E+01	1,19E+01	1,02E+03
13500	4,34E+02	3,14E+02	1,61E+02	7,50E+01	1,36E+01	1,19E+03
14600	4,51E+02	3,26E+02	1,67E+02	7,78E+01	1,41E+01	1,24E+03
18250	4,51E+02	3,26E+02	1,67E+02	7,78E+01	1,41E+01	1,24E+03
Eff. Dosis	2,5E-07	1,8E-07	9,3E-08	4,4E-08	2,3E-09	1,7E-07
Gebärmutter	7,46E-09	5,8E-09	3,7E-09	2,2E-09	2,9E-09	1,3E-07

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Nb-95								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,58E-01	4,39E-01	6,98E-01	6,57E-01	2,76E-01	4,54E-01	7,11E-01	6,67E-01
2	4,59E-01	7,48E-01	1,16E+00	1,09E+00	5,04E-01	7,73E-01	1,17E+00	1,08E+00
3	6,14E-01	9,46E-01	1,43E+00	1,33E+00	6,86E-01	9,64E-01	1,38E+00	1,27E+00
3,5	6,80E-01	1,02E+00	1,53E+00	1,41E+00	7,67E-01	1,03E+00	1,44E+00	1,31E+00
4	7,40E-01	1,09E+00	1,60E+00	1,48E+00	8,43E-01	1,09E+00	1,49E+00	1,34E+00
5	8,50E-01	1,20E+00	1,73E+00	1,58E+00	9,86E-01	1,20E+00	1,55E+00	1,38E+00
6	9,49E-01	1,30E+00	1,84E+00	1,67E+00	1,12E+00	1,30E+00	1,61E+00	1,41E+00
7	1,04E+00	1,39E+00	1,94E+00	1,75E+00	1,25E+00	1,39E+00	1,66E+00	1,43E+00
8	1,12E+00	1,48E+00	2,03E+00	1,83E+00	1,37E+00	1,48E+00	1,70E+00	1,46E+00
9	1,20E+00	1,55E+00	2,11E+00	1,90E+00	1,49E+00	1,56E+00	1,75E+00	1,48E+00
10	1,27E+00	1,63E+00	2,19E+00	1,96E+00	1,60E+00	1,64E+00	1,79E+00	1,50E+00
11	1,34E+00	1,70E+00	2,26E+00	2,02E+00	1,71E+00	1,72E+00	1,83E+00	1,52E+00
12	1,41E+00	1,76E+00	2,34E+00	2,08E+00	1,82E+00	1,80E+00	1,87E+00	1,54E+00
13	1,47E+00	1,82E+00	2,40E+00	2,14E+00	1,92E+00	1,87E+00	1,91E+00	1,56E+00
14	1,53E+00	1,88E+00	2,47E+00	2,19E+00	2,02E+00	1,94E+00	1,95E+00	1,57E+00
15	1,59E+00	1,94E+00	2,53E+00	2,24E+00	2,12E+00	2,01E+00	1,99E+00	1,59E+00
20	1,85E+00	2,21E+00	2,82E+00	2,48E+00	2,57E+00	2,33E+00	2,15E+00	1,67E+00
30	2,29E+00	2,65E+00	3,29E+00	2,87E+00	3,30E+00	2,86E+00	2,43E+00	1,80E+00
40	2,64E+00	2,99E+00	3,66E+00	3,17E+00	3,88E+00	3,28E+00	2,65E+00	1,91E+00
45	2,79E+00	3,14E+00	3,82E+00	3,30E+00	4,12E+00	3,45E+00	2,74E+00	1,95E+00
50	2,92E+00	3,27E+00	3,96E+00	3,42E+00	4,33E+00	3,60E+00	2,82E+00	1,99E+00
60	3,14E+00	3,50E+00	4,21E+00	3,62E+00	4,68E+00	3,86E+00	2,95E+00	2,05E+00
70	3,32E+00	3,68E+00	4,40E+00	3,78E+00	4,96E+00	4,06E+00	3,06E+00	2,10E+00
80	3,46E+00	3,82E+00	4,55E+00	3,90E+00	5,17E+00	4,22E+00	3,14E+00	2,14E+00
90	3,58E+00	3,94E+00	4,68E+00	4,01E+00	5,34E+00	4,34E+00	3,20E+00	2,17E+00
100	3,67E+00	4,03E+00	4,78E+00	4,09E+00	5,48E+00	4,44E+00	3,25E+00	2,20E+00
120	3,81E+00	4,17E+00	4,92E+00	4,21E+00	5,67E+00	4,57E+00	3,33E+00	2,23E+00
180	3,99E+00	4,35E+00	5,12E+00	4,37E+00	5,90E+00	4,74E+00	3,42E+00	2,27E+00
200	4,01E+00	4,37E+00	5,15E+00	4,39E+00	5,93E+00	4,76E+00	3,43E+00	2,28E+00
300	4,06E+00	4,41E+00	5,19E+00	4,43E+00	5,97E+00	4,79E+00	3,44E+00	2,29E+00
360	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,44E+00	2,29E+00
365	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,44E+00	2,29E+00
400	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
500	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
600	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
700	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
800	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
900	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
1000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
2000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
3000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
4000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
5000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
6000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
8000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
10000	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
13500	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
14600	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
18250	4,06E+00	4,42E+00	5,20E+00	4,43E+00	5,98E+00	4,80E+00	3,45E+00	2,29E+00
Eff. Dosis	4,1E-10	4,6E-10	5,6E-10	4,8E-10	1,3E-09	9,9E-10	6,9E-10	4,4E-10
Gebärmutter	2,5E-10	3,7E-10	5,5E-10	5,0E-10	1,6E-10	2,9E-10	4,8E-10	4,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Nb-95						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,78E-01	4,56E-01	7,12E-01	6,67E-01	9,32E-01	8,79E-01
2	5,13E-01	7,78E-01	1,17E+00	1,09E+00	1,45E+00	1,63E+00
3	7,03E-01	9,75E-01	1,39E+00	1,27E+00	1,63E+00	2,29E+00
3,5	7,88E-01	1,05E+00	1,45E+00	1,31E+00	1,66E+00	2,59E+00
4	8,69E-01	1,11E+00	1,49E+00	1,34E+00	1,68E+00	2,87E+00
5	1,02E+00	1,22E+00	1,56E+00	1,38E+00	1,69E+00	3,40E+00
6	1,17E+00	1,33E+00	1,62E+00	1,41E+00	1,70E+00	3,87E+00
7	1,31E+00	1,43E+00	1,67E+00	1,43E+00	1,70E+00	4,30E+00
8	1,45E+00	1,52E+00	1,72E+00	1,46E+00	1,71E+00	4,70E+00
9	1,58E+00	1,62E+00	1,76E+00	1,48E+00	1,71E+00	5,08E+00
10	1,71E+00	1,71E+00	1,81E+00	1,50E+00	1,72E+00	5,43E+00
11	1,83E+00	1,79E+00	1,85E+00	1,52E+00	1,72E+00	5,76E+00
12	1,95E+00	1,88E+00	1,90E+00	1,54E+00	1,72E+00	6,08E+00
13	2,07E+00	1,96E+00	1,94E+00	1,56E+00	1,73E+00	6,39E+00
14	2,18E+00	2,04E+00	1,98E+00	1,58E+00	1,73E+00	6,68E+00
15	2,29E+00	2,12E+00	2,02E+00	1,59E+00	1,73E+00	6,96E+00
20	2,81E+00	2,49E+00	2,21E+00	1,68E+00	1,74E+00	8,24E+00
30	3,68E+00	3,12E+00	2,52E+00	1,82E+00	1,76E+00	1,04E+01
40	4,38E+00	3,62E+00	2,78E+00	1,94E+00	1,78E+00	1,21E+01
45	4,67E+00	3,84E+00	2,89E+00	1,98E+00	1,79E+00	1,28E+01
50	4,94E+00	4,03E+00	2,98E+00	2,03E+00	1,80E+00	1,34E+01
60	5,39E+00	4,35E+00	3,15E+00	2,10E+00	1,81E+00	1,45E+01
70	5,75E+00	4,61E+00	3,28E+00	2,16E+00	1,81E+00	1,54E+01
80	6,05E+00	4,82E+00	3,38E+00	2,21E+00	1,82E+00	1,61E+01
90	6,28E+00	4,99E+00	3,47E+00	2,25E+00	1,83E+00	1,66E+01
100	6,47E+00	5,13E+00	3,54E+00	2,28E+00	1,83E+00	1,71E+01
120	6,74E+00	5,32E+00	3,64E+00	2,32E+00	1,84E+00	1,77E+01
180	7,11E+00	5,59E+00	3,77E+00	2,38E+00	1,85E+00	1,86E+01
200	7,16E+00	5,62E+00	3,79E+00	2,39E+00	1,85E+00	1,87E+01
300	7,24E+00	5,68E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
360	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
365	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
400	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
500	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
600	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
700	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
800	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
900	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
1000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
2000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
3000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
4000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
5000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
6000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
8000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
10000	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
13500	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
14600	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
18250	7,25E+00	5,69E+00	3,82E+00	2,41E+00	1,85E+00	1,89E+01
Eff. Dosis	1,8E-09	1,3E-09	8,5E-10	5,1E-10	3,0E-10	1,9E-09
Gebärmutter	1,18E-10	2,6E-10	4,7E-10	4,5E-10	7,3E-10	9,5E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mo-99								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,09E-01	3,58E-01	5,72E-01	5,40E-01	2,43E-01	4,01E-01	6,28E-01	5,89E-01
2	3,38E-01	5,69E-01	9,01E-01	8,48E-01	4,03E-01	6,26E-01	9,53E-01	8,88E-01
3	4,29E-01	7,14E-01	1,12E+00	1,06E+00	5,06E-01	7,43E-01	1,10E+00	1,01E+00
3,5	4,66E-01	7,72E-01	1,21E+00	1,14E+00	5,46E-01	7,82E-01	1,14E+00	1,04E+00
4	4,98E-01	8,22E-01	1,29E+00	1,21E+00	5,79E-01	8,13E-01	1,17E+00	1,07E+00
5	5,50E-01	9,03E-01	1,41E+00	1,32E+00	6,33E-01	8,61E-01	1,21E+00	1,10E+00
6	5,90E-01	9,65E-01	1,51E+00	1,41E+00	6,74E-01	8,97E-01	1,24E+00	1,13E+00
7	6,20E-01	1,01E+00	1,58E+00	1,48E+00	7,05E-01	9,24E-01	1,26E+00	1,14E+00
8	6,44E-01	1,05E+00	1,64E+00	1,53E+00	7,29E-01	9,45E-01	1,28E+00	1,16E+00
9	6,62E-01	1,08E+00	1,68E+00	1,57E+00	7,47E-01	9,61E-01	1,30E+00	1,17E+00
10	6,76E-01	1,10E+00	1,71E+00	1,60E+00	7,61E-01	9,73E-01	1,31E+00	1,18E+00
11	6,86E-01	1,12E+00	1,74E+00	1,63E+00	7,72E-01	9,82E-01	1,32E+00	1,18E+00
12	6,94E-01	1,13E+00	1,76E+00	1,64E+00	7,80E-01	9,90E-01	1,32E+00	1,19E+00
13	7,01E-01	1,14E+00	1,77E+00	1,66E+00	7,87E-01	9,95E-01	1,33E+00	1,19E+00
14	7,05E-01	1,15E+00	1,78E+00	1,67E+00	7,92E-01	1,00E+00	1,33E+00	1,19E+00
15	7,09E-01	1,15E+00	1,79E+00	1,68E+00	7,95E-01	1,00E+00	1,33E+00	1,20E+00
20	7,18E-01	1,17E+00	1,81E+00	1,69E+00	8,05E-01	1,01E+00	1,34E+00	1,20E+00
30	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
40	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
45	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
50	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
60	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
70	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
80	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
90	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
100	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
120	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
180	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
200	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
300	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
360	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
365	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
400	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
500	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
600	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
700	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
800	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
900	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
1000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
2000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
3000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
4000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
5000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
6000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
8000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
10000	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
13500	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
14600	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
18250	7,21E-01	1,17E+00	1,82E+00	1,70E+00	8,08E-01	1,01E+00	1,34E+00	1,20E+00
Eff. Dosis	1,2E-10	2,0E-10	3,1E-10	2,9E-10	5,0E-10	4,2E-10	4,0E-10	3,0E-10
Gebärmutter	3,1E-11	5,0E-11	7,8E-11	7,3E-11	2,6E-11	6,9E-11	1,3E-10	1,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Mo-99							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,05	fA=0,9	
1	2,49E-01	4,08E-01	6,38E-01	5,98E-01	8,30E-01	7,25E-01	6,98E-01
2	4,15E-01	6,38E-01	9,65E-01	8,97E-01	1,21E+00	1,17E+00	1,16E+00
3	5,22E-01	7,50E-01	1,09E+00	1,00E+00	1,32E+00	1,48E+00	1,49E+00
3,5	5,62E-01	7,84E-01	1,12E+00	1,03E+00	1,34E+00	1,60E+00	1,63E+00
4	5,96E-01	8,10E-01	1,14E+00	1,04E+00	1,35E+00	1,71E+00	1,74E+00
5	6,51E-01	8,51E-01	1,16E+00	1,05E+00	1,36E+00	1,89E+00	1,94E+00
6	6,92E-01	8,80E-01	1,18E+00	1,06E+00	1,37E+00	2,02E+00	2,08E+00
7	7,23E-01	9,02E-01	1,19E+00	1,07E+00	1,37E+00	2,12E+00	2,20E+00
8	7,47E-01	9,20E-01	1,20E+00	1,07E+00	1,38E+00	2,20E+00	2,29E+00
9	7,65E-01	9,33E-01	1,21E+00	1,07E+00	1,38E+00	2,26E+00	2,35E+00
10	7,79E-01	9,43E-01	1,21E+00	1,08E+00	1,38E+00	2,31E+00	2,40E+00
11	7,90E-01	9,51E-01	1,22E+00	1,08E+00	1,39E+00	2,34E+00	2,44E+00
12	7,98E-01	9,57E-01	1,22E+00	1,08E+00	1,39E+00	2,37E+00	2,47E+00
13	8,05E-01	9,61E-01	1,22E+00	1,08E+00	1,39E+00	2,39E+00	2,50E+00
14	8,10E-01	9,65E-01	1,23E+00	1,08E+00	1,39E+00	2,41E+00	2,51E+00
15	8,13E-01	9,68E-01	1,23E+00	1,08E+00	1,39E+00	2,42E+00	2,53E+00
20	8,23E-01	9,74E-01	1,23E+00	1,09E+00	1,39E+00	2,45E+00	2,56E+00
30	8,26E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
40	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
45	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
50	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
60	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
70	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
80	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
90	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
100	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
120	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
180	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
200	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
300	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
360	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
365	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
400	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
500	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
600	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
700	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
800	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
900	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
1000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
2000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
3000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
4000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
5000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
6000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
8000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
10000	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
13500	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
14600	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
18250	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,39E+00	2,46E+00	2,57E+00
Eff. Dosis	5,9E-10	4,7E-10	4,1E-10	3,0E-10	2,6E-10	4,4E-10	3,9E-10
Gebärmutter	2,5E-11	7,3E-11	1,4E-10	1,4E-10	2,3E-10	1,2E-10	1,1E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Tc-99m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,16E-02	2,00E-02	3,20E-02	3,02E-02	1,16E-02	2,00E-02	3,20E-02	3,02E-02
0,08333	2,19E-02	3,76E-02	6,01E-02	5,67E-02	2,19E-02	3,77E-02	6,02E-02	5,68E-02
0,125	3,08E-02	5,30E-02	8,46E-02	7,98E-02	3,11E-02	5,33E-02	8,49E-02	8,01E-02
0,1667	3,87E-02	6,65E-02	1,06E-01	1,00E-01	3,92E-02	6,70E-02	1,07E-01	1,01E-01
0,2083	4,56E-02	7,82E-02	1,25E-01	1,18E-01	4,63E-02	7,91E-02	1,26E-01	1,19E-01
0,25	5,16E-02	8,85E-02	1,41E-01	1,33E-01	5,27E-02	8,98E-02	1,43E-01	1,35E-01
0,2917	5,69E-02	9,75E-02	1,56E-01	1,47E-01	5,83E-02	9,92E-02	1,58E-01	1,49E-01
0,3333	6,15E-02	1,05E-01	1,68E-01	1,59E-01	6,33E-02	1,08E-01	1,71E-01	1,61E-01
0,375	6,55E-02	1,12E-01	1,79E-01	1,69E-01	6,77E-02	1,15E-01	1,82E-01	1,72E-01
0,4167	6,91E-02	1,18E-01	1,89E-01	1,78E-01	7,17E-02	1,21E-01	1,93E-01	1,81E-01
0,4583	7,22E-02	1,24E-01	1,97E-01	1,86E-01	7,51E-02	1,27E-01	2,02E-01	1,90E-01
0,5	7,49E-02	1,28E-01	2,05E-01	1,93E-01	7,82E-02	1,32E-01	2,10E-01	1,97E-01
0,5417	7,74E-02	1,32E-01	2,11E-01	1,99E-01	8,09E-02	1,37E-01	2,17E-01	2,04E-01
0,5833	7,95E-02	1,36E-01	2,17E-01	2,04E-01	8,34E-02	1,41E-01	2,23E-01	2,10E-01
0,625	8,14E-02	1,39E-01	2,22E-01	2,09E-01	8,55E-02	1,44E-01	2,28E-01	2,15E-01
0,6667	8,30E-02	1,42E-01	2,26E-01	2,13E-01	8,74E-02	1,47E-01	2,33E-01	2,19E-01
0,7083	8,44E-02	1,44E-01	2,30E-01	2,17E-01	8,91E-02	1,50E-01	2,37E-01	2,23E-01
0,75	8,57E-02	1,47E-01	2,33E-01	2,20E-01	9,06E-02	1,52E-01	2,41E-01	2,27E-01
0,7917	8,68E-02	1,48E-01	2,36E-01	2,23E-01	9,19E-02	1,54E-01	2,44E-01	2,30E-01
0,8333	8,78E-02	1,50E-01	2,39E-01	2,25E-01	9,30E-02	1,56E-01	2,47E-01	2,32E-01
0,875	8,87E-02	1,52E-01	2,41E-01	2,27E-01	9,41E-02	1,58E-01	2,49E-01	2,35E-01
0,9167	8,95E-02	1,53E-01	2,43E-01	2,29E-01	9,50E-02	1,59E-01	2,52E-01	2,37E-01
0,9583	9,02E-02	1,54E-01	2,45E-01	2,31E-01	9,58E-02	1,61E-01	2,54E-01	2,38E-01
1	9,08E-02	1,55E-01	2,47E-01	2,33E-01	9,65E-02	1,62E-01	2,55E-01	2,40E-01
1,083	9,18E-02	1,57E-01	2,49E-01	2,35E-01	9,77E-02	1,64E-01	2,58E-01	2,43E-01
1,167	9,25E-02	1,58E-01	2,51E-01	2,37E-01	9,86E-02	1,65E-01	2,60E-01	2,45E-01
1,25	9,31E-02	1,59E-01	2,53E-01	2,38E-01	9,94E-02	1,66E-01	2,62E-01	2,46E-01
1,333	9,36E-02	1,60E-01	2,54E-01	2,39E-01	9,99E-02	1,67E-01	2,63E-01	2,47E-01
1,417	9,40E-02	1,60E-01	2,55E-01	2,40E-01	1,00E-01	1,68E-01	2,64E-01	2,48E-01
1,5	9,43E-02	1,61E-01	2,56E-01	2,41E-01	1,01E-01	1,68E-01	2,65E-01	2,49E-01
1,667	9,46E-02	1,61E-01	2,57E-01	2,42E-01	1,01E-01	1,69E-01	2,66E-01	2,50E-01
1,833	9,49E-02	1,62E-01	2,57E-01	2,43E-01	1,02E-01	1,69E-01	2,66E-01	2,50E-01
2	9,50E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,69E-01	2,66E-01	2,50E-01
3	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
4	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
5	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
6	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
7	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
8	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
9	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
10	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
11	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
12	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
13	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
14	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
15	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
16	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
17	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
18	9,52E-02	1,62E-01	2,58E-01	2,43E-01	1,02E-01	1,70E-01	2,67E-01	2,51E-01
Eff. Dosis	3,8E-12	5,7E-12	8,6E-12	7,9E-12	8,7E-12	9,7E-12	1,3E-11	1,0E-11
Gebärmutter	1,6E-12	2,3E-12	3,3E-12	3,0E-12	9,8E-13	2,8E-12	5,3E-12	5,2E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Tc-99m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,16E-02	2,00E-02	3,20E-02	3,02E-02	3,93E-02	3,92E-02
0,08333	2,19E-02	3,77E-02	6,02E-02	5,68E-02	7,43E-02	7,38E-02
0,125	3,11E-02	5,33E-02	8,49E-02	8,01E-02	1,05E-01	1,04E-01
0,1667	3,92E-02	6,70E-02	1,07E-01	1,01E-01	1,33E-01	1,31E-01
0,2083	4,64E-02	7,91E-02	1,26E-01	1,19E-01	1,57E-01	1,54E-01
0,25	5,27E-02	8,98E-02	1,43E-01	1,35E-01	1,78E-01	1,75E-01
0,2917	5,84E-02	9,93E-02	1,58E-01	1,49E-01	1,96E-01	1,92E-01
0,3333	6,34E-02	1,08E-01	1,71E-01	1,61E-01	2,12E-01	2,08E-01
0,375	6,79E-02	1,15E-01	1,83E-01	1,72E-01	2,27E-01	2,22E-01
0,4167	7,18E-02	1,22E-01	1,93E-01	1,82E-01	2,39E-01	2,34E-01
0,4583	7,53E-02	1,27E-01	2,02E-01	1,90E-01	2,50E-01	2,45E-01
0,5	7,85E-02	1,33E-01	2,10E-01	1,98E-01	2,60E-01	2,54E-01
0,5417	8,12E-02	1,37E-01	2,17E-01	2,04E-01	2,68E-01	2,62E-01
0,5833	8,37E-02	1,41E-01	2,23E-01	2,10E-01	2,76E-01	2,70E-01
0,625	8,58E-02	1,45E-01	2,29E-01	2,15E-01	2,82E-01	2,76E-01
0,6667	8,78E-02	1,48E-01	2,34E-01	2,20E-01	2,88E-01	2,82E-01
0,7083	8,95E-02	1,51E-01	2,38E-01	2,24E-01	2,93E-01	2,87E-01
0,75	9,10E-02	1,53E-01	2,42E-01	2,27E-01	2,98E-01	2,91E-01
0,7917	9,24E-02	1,55E-01	2,45E-01	2,30E-01	3,02E-01	2,95E-01
0,8333	9,36E-02	1,57E-01	2,48E-01	2,33E-01	3,05E-01	2,99E-01
0,875	9,46E-02	1,59E-01	2,50E-01	2,35E-01	3,08E-01	3,02E-01
0,9167	9,55E-02	1,60E-01	2,53E-01	2,38E-01	3,11E-01	3,04E-01
0,9583	9,64E-02	1,61E-01	2,55E-01	2,39E-01	3,13E-01	3,07E-01
1	9,71E-02	1,63E-01	2,56E-01	2,41E-01	3,16E-01	3,09E-01
1,083	9,83E-02	1,64E-01	2,59E-01	2,44E-01	3,19E-01	3,12E-01
1,167	9,93E-02	1,66E-01	2,61E-01	2,46E-01	3,22E-01	3,15E-01
1,25	1,00E-01	1,67E-01	2,63E-01	2,47E-01	3,24E-01	3,17E-01
1,333	1,01E-01	1,68E-01	2,64E-01	2,48E-01	3,26E-01	3,19E-01
1,417	1,01E-01	1,68E-01	2,65E-01	2,49E-01	3,27E-01	3,20E-01
1,5	1,02E-01	1,69E-01	2,66E-01	2,50E-01	3,28E-01	3,21E-01
1,667	1,02E-01	1,70E-01	2,67E-01	2,51E-01	3,29E-01	3,22E-01
1,833	1,02E-01	1,70E-01	2,67E-01	2,51E-01	3,30E-01	3,23E-01
2	1,02E-01	1,70E-01	2,68E-01	2,51E-01	3,30E-01	3,24E-01
3	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
4	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
5	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
6	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
7	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
8	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
9	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
10	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
11	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
12	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
13	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
14	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
15	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
16	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
17	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
18	1,03E-01	1,71E-01	2,68E-01	2,52E-01	3,31E-01	3,24E-01
Eff. Dosis	9,2E-12	1,0E-11	1,3E-11	1,1E-11	1,4E-11	1,3E-11
Gebärmutter	9,35E-13	3,0E-12	5,7E-12	5,6E-12	7,0E-12	6,6E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ru-103								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,48E-01	4,29E-01	6,87E-01	6,48E-01	2,75E-01	4,53E-01	7,10E-01	6,66E-01
2	4,48E-01	7,37E-01	1,15E+00	1,08E+00	5,03E-01	7,72E-01	1,17E+00	1,09E+00
3	6,10E-01	9,45E-01	1,44E+00	1,34E+00	6,87E-01	9,67E-01	1,39E+00	1,27E+00
3,5	6,82E-01	1,03E+00	1,54E+00	1,42E+00	7,69E-01	1,04E+00	1,45E+00	1,32E+00
4	7,50E-01	1,10E+00	1,63E+00	1,50E+00	8,47E-01	1,10E+00	1,50E+00	1,35E+00
5	8,78E-01	1,24E+00	1,78E+00	1,63E+00	9,94E-01	1,21E+00	1,57E+00	1,39E+00
6	9,98E-01	1,36E+00	1,92E+00	1,75E+00	1,13E+00	1,31E+00	1,63E+00	1,43E+00
7	1,11E+00	1,48E+00	2,05E+00	1,86E+00	1,27E+00	1,41E+00	1,68E+00	1,45E+00
8	1,22E+00	1,59E+00	2,18E+00	1,96E+00	1,40E+00	1,50E+00	1,73E+00	1,48E+00
9	1,32E+00	1,70E+00	2,29E+00	2,06E+00	1,52E+00	1,59E+00	1,78E+00	1,51E+00
10	1,42E+00	1,80E+00	2,41E+00	2,15E+00	1,64E+00	1,68E+00	1,83E+00	1,53E+00
11	1,51E+00	1,89E+00	2,51E+00	2,24E+00	1,76E+00	1,76E+00	1,88E+00	1,55E+00
12	1,59E+00	1,98E+00	2,61E+00	2,32E+00	1,87E+00	1,85E+00	1,92E+00	1,58E+00
13	1,68E+00	2,07E+00	2,71E+00	2,40E+00	1,98E+00	1,93E+00	1,97E+00	1,60E+00
14	1,76E+00	2,15E+00	2,80E+00	2,48E+00	2,09E+00	2,00E+00	2,01E+00	1,62E+00
15	1,83E+00	2,23E+00	2,89E+00	2,55E+00	2,19E+00	2,08E+00	2,05E+00	1,64E+00
20	2,16E+00	2,57E+00	3,27E+00	2,87E+00	2,67E+00	2,43E+00	2,24E+00	1,74E+00
30	2,66E+00	3,08E+00	3,84E+00	3,35E+00	3,46E+00	3,00E+00	2,55E+00	1,89E+00
40	3,01E+00	3,44E+00	4,25E+00	3,69E+00	4,08E+00	3,45E+00	2,79E+00	2,01E+00
45	3,15E+00	3,59E+00	4,41E+00	3,82E+00	4,34E+00	3,64E+00	2,89E+00	2,06E+00
50	3,27E+00	3,71E+00	4,55E+00	3,94E+00	4,57E+00	3,81E+00	2,98E+00	2,10E+00
60	3,47E+00	3,92E+00	4,78E+00	4,13E+00	4,96E+00	4,09E+00	3,13E+00	2,17E+00
70	3,63E+00	4,08E+00	4,96E+00	4,28E+00	5,27E+00	4,32E+00	3,25E+00	2,23E+00
80	3,75E+00	4,21E+00	5,10E+00	4,40E+00	5,52E+00	4,49E+00	3,34E+00	2,28E+00
90	3,86E+00	4,32E+00	5,22E+00	4,50E+00	5,71E+00	4,64E+00	3,42E+00	2,31E+00
100	3,94E+00	4,40E+00	5,32E+00	4,58E+00	5,87E+00	4,75E+00	3,48E+00	2,34E+00
120	4,06E+00	4,53E+00	5,45E+00	4,70E+00	6,09E+00	4,91E+00	3,56E+00	2,39E+00
180	4,23E+00	4,71E+00	5,65E+00	4,86E+00	6,38E+00	5,12E+00	3,68E+00	2,44E+00
200	4,26E+00	4,73E+00	5,68E+00	4,89E+00	6,42E+00	5,15E+00	3,69E+00	2,45E+00
300	4,30E+00	4,78E+00	5,74E+00	4,93E+00	6,48E+00	5,20E+00	3,72E+00	2,46E+00
360	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
365	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
400	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
500	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
600	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
700	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
800	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
900	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
1000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
2000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
3000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
4000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
5000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
6000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
8000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
10000	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
13500	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
14600	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
18250	4,31E+00	4,79E+00	5,75E+00	4,94E+00	6,49E+00	5,20E+00	3,72E+00	2,46E+00
Eff. Dosis	5,1E-10	6,4E-10	8,6E-10	7,4E-10	1,6E-09	1,2E-09	8,0E-10	4,9E-10
Gebärmutter	2,9E-10	3,7E-10	5,1E-10	4,6E-10	1,4E-10	2,3E-10	3,5E-10	3,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ru-103							
Zeit (d)	Inhalation Typ S				Gas/Dampf	Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	Tetroxid		
1	2,79E-01	4,56E-01	7,12E-01	6,68E-01	8,89E-01	9,28E-01	8,18E-01
2	5,13E-01	7,80E-01	1,17E+00	1,09E+00	1,45E+00	1,46E+00	1,56E+00
3	7,05E-01	9,77E-01	1,39E+00	1,27E+00	1,71E+00	1,65E+00	2,23E+00
3,5	7,91E-01	1,05E+00	1,45E+00	1,32E+00	1,77E+00	1,70E+00	2,56E+00
4	8,73E-01	1,11E+00	1,50E+00	1,35E+00	1,82E+00	1,73E+00	2,87E+00
5	1,03E+00	1,23E+00	1,57E+00	1,39E+00	1,89E+00	1,76E+00	3,46E+00
6	1,18E+00	1,33E+00	1,62E+00	1,41E+00	1,95E+00	1,79E+00	4,02E+00
7	1,32E+00	1,43E+00	1,67E+00	1,44E+00	2,00E+00	1,82E+00	4,54E+00
8	1,46E+00	1,53E+00	1,72E+00	1,46E+00	2,04E+00	1,85E+00	5,04E+00
9	1,59E+00	1,63E+00	1,77E+00	1,48E+00	2,08E+00	1,87E+00	5,52E+00
10	1,72E+00	1,72E+00	1,82E+00	1,50E+00	2,11E+00	1,89E+00	5,96E+00
11	1,85E+00	1,81E+00	1,87E+00	1,53E+00	2,15E+00	1,91E+00	6,39E+00
12	1,97E+00	1,90E+00	1,91E+00	1,55E+00	2,18E+00	1,94E+00	6,80E+00
13	2,09E+00	1,98E+00	1,95E+00	1,57E+00	2,21E+00	1,95E+00	7,19E+00
14	2,21E+00	2,07E+00	2,00E+00	1,59E+00	2,23E+00	1,97E+00	7,55E+00
15	2,32E+00	2,15E+00	2,04E+00	1,60E+00	2,26E+00	1,99E+00	7,91E+00
20	2,86E+00	2,53E+00	2,23E+00	1,69E+00	2,37E+00	2,07E+00	9,46E+00
30	3,78E+00	3,20E+00	2,57E+00	1,84E+00	2,54E+00	2,19E+00	1,18E+01
40	4,53E+00	3,74E+00	2,84E+00	1,97E+00	2,66E+00	2,27E+00	1,34E+01
45	4,86E+00	3,97E+00	2,96E+00	2,02E+00	2,70E+00	2,30E+00	1,41E+01
50	5,15E+00	4,18E+00	3,07E+00	2,07E+00	2,74E+00	2,33E+00	1,47E+01
60	5,66E+00	4,55E+00	3,25E+00	2,15E+00	2,82E+00	2,38E+00	1,56E+01
70	6,08E+00	4,85E+00	3,40E+00	2,22E+00	2,87E+00	2,42E+00	1,64E+01
80	6,42E+00	5,09E+00	3,53E+00	2,28E+00	2,92E+00	2,45E+00	1,70E+01
90	6,70E+00	5,30E+00	3,63E+00	2,32E+00	2,95E+00	2,47E+00	1,75E+01
100	6,93E+00	5,46E+00	3,71E+00	2,36E+00	2,98E+00	2,49E+00	1,78E+01
120	7,28E+00	5,71E+00	3,84E+00	2,42E+00	3,02E+00	2,52E+00	1,84E+01
180	7,78E+00	6,07E+00	4,02E+00	2,50E+00	3,09E+00	2,56E+00	1,93E+01
200	7,86E+00	6,13E+00	4,05E+00	2,51E+00	3,10E+00	2,57E+00	1,94E+01
300	7,99E+00	6,22E+00	4,09E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
360	8,00E+00	6,23E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
365	8,01E+00	6,23E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
400	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
500	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
600	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
700	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
800	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
900	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
1000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
2000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
3000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
4000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
5000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
6000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
8000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
10000	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
13500	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
14600	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
18250	8,01E+00	6,24E+00	4,10E+00	2,54E+00	3,11E+00	2,58E+00	1,96E+01
Eff. Dosis	2,2E-09	1,6E-09	1,0E-09	5,9E-10	1,4E-09	2,6E-10	1,4E-09
Gebärmutter	8,2E-11	1,8E-10	3,2E-10	3,1E-10	5,0E-10	5,4E-10	1,2E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ru-106								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,49E-01	4,32E-01	6,92E-01	6,53E-01	2,77E-01	4,57E-01	7,15E-01	6,71E-01
2	4,54E-01	7,47E-01	1,17E+00	1,10E+00	5,10E-01	7,83E-01	1,18E+00	1,10E+00
3	6,23E-01	9,64E-01	1,46E+00	1,36E+00	7,02E-01	9,85E-01	1,41E+00	1,30E+00
3,5	6,98E-01	1,05E+00	1,57E+00	1,45E+00	7,88E-01	1,06E+00	1,48E+00	1,35E+00
4	7,71E-01	1,13E+00	1,66E+00	1,53E+00	8,71E-01	1,13E+00	1,53E+00	1,38E+00
5	9,08E-01	1,28E+00	1,83E+00	1,68E+00	1,03E+00	1,24E+00	1,60E+00	1,42E+00
6	1,04E+00	1,41E+00	1,98E+00	1,80E+00	1,18E+00	1,36E+00	1,67E+00	1,46E+00
7	1,16E+00	1,54E+00	2,13E+00	1,92E+00	1,33E+00	1,46E+00	1,73E+00	1,49E+00
8	1,28E+00	1,67E+00	2,27E+00	2,04E+00	1,48E+00	1,57E+00	1,79E+00	1,52E+00
9	1,40E+00	1,79E+00	2,40E+00	2,15E+00	1,62E+00	1,67E+00	1,84E+00	1,55E+00
10	1,51E+00	1,90E+00	2,53E+00	2,26E+00	1,76E+00	1,77E+00	1,90E+00	1,58E+00
11	1,62E+00	2,01E+00	2,66E+00	2,36E+00	1,90E+00	1,87E+00	1,95E+00	1,61E+00
12	1,73E+00	2,12E+00	2,78E+00	2,47E+00	2,03E+00	1,97E+00	2,01E+00	1,63E+00
13	1,83E+00	2,23E+00	2,89E+00	2,56E+00	2,17E+00	2,07E+00	2,06E+00	1,66E+00
14	1,92E+00	2,33E+00	3,01E+00	2,66E+00	2,30E+00	2,16E+00	2,11E+00	1,69E+00
15	2,02E+00	2,43E+00	3,12E+00	2,75E+00	2,43E+00	2,26E+00	2,16E+00	1,71E+00
20	2,46E+00	2,88E+00	3,62E+00	3,17E+00	3,06E+00	2,72E+00	2,41E+00	1,84E+00
30	3,19E+00	3,64E+00	4,47E+00	3,88E+00	4,23E+00	3,57E+00	2,87E+00	2,06E+00
40	3,80E+00	4,27E+00	5,17E+00	4,46E+00	5,31E+00	4,35E+00	3,29E+00	2,27E+00
45	4,07E+00	4,55E+00	5,49E+00	4,73E+00	5,82E+00	4,72E+00	3,49E+00	2,36E+00
50	4,33E+00	4,82E+00	5,78E+00	4,97E+00	6,31E+00	5,08E+00	3,68E+00	2,46E+00
60	4,81E+00	5,31E+00	6,33E+00	5,43E+00	7,23E+00	5,75E+00	4,03E+00	2,63E+00
70	5,25E+00	5,76E+00	6,84E+00	5,86E+00	8,10E+00	6,38E+00	4,37E+00	2,79E+00
80	5,66E+00	6,19E+00	7,31E+00	6,25E+00	8,90E+00	6,96E+00	4,68E+00	2,94E+00
90	6,04E+00	6,58E+00	7,76E+00	6,62E+00	9,65E+00	7,50E+00	4,97E+00	3,08E+00
100	6,41E+00	6,96E+00	8,18E+00	6,97E+00	1,04E+01	8,01E+00	5,24E+00	3,22E+00
120	7,09E+00	7,67E+00	8,97E+00	7,63E+00	1,16E+01	8,93E+00	5,73E+00	3,46E+00
180	8,85E+00	9,49E+00	1,10E+01	9,32E+00	1,46E+01	1,11E+01	6,87E+00	4,02E+00
200	9,37E+00	1,00E+01	1,16E+01	9,82E+00	1,53E+01	1,16E+01	7,17E+00	4,17E+00
300	1,15E+01	1,23E+01	1,41E+01	1,19E+01	1,81E+01	1,36E+01	8,28E+00	4,73E+00
360	1,26E+01	1,33E+01	1,53E+01	1,29E+01	1,92E+01	1,45E+01	8,73E+00	4,96E+00
365	1,27E+01	1,34E+01	1,54E+01	1,30E+01	1,93E+01	1,45E+01	8,76E+00	4,98E+00
400	1,32E+01	1,40E+01	1,60E+01	1,35E+01	1,98E+01	1,49E+01	8,97E+00	5,09E+00
500	1,45E+01	1,53E+01	1,75E+01	1,47E+01	2,09E+01	1,57E+01	9,43E+00	5,33E+00
600	1,55E+01	1,63E+01	1,86E+01	1,57E+01	2,17E+01	1,63E+01	9,76E+00	5,51E+00
700	1,62E+01	1,71E+01	1,95E+01	1,64E+01	2,22E+01	1,67E+01	1,00E+01	5,64E+00
800	1,68E+01	1,77E+01	2,02E+01	1,70E+01	2,26E+01	1,70E+01	1,02E+01	5,74E+00
900	1,73E+01	1,82E+01	2,07E+01	1,74E+01	2,30E+01	1,72E+01	1,03E+01	5,81E+00
1000	1,76E+01	1,86E+01	2,11E+01	1,78E+01	2,32E+01	1,74E+01	1,04E+01	5,87E+00
2000	1,88E+01	1,98E+01	2,25E+01	1,89E+01	2,40E+01	1,80E+01	1,08E+01	6,06E+00
3000	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,07E+00
4000	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,07E+00
5000	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,08E+00
6000	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,08E+00
8000	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,08E+00
10000	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,08E+00
13500	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,08E+00
14600	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,08E+00
18250	1,89E+01	1,99E+01	2,26E+01	1,90E+01	2,41E+01	1,81E+01	1,08E+01	6,08E+00
Eff. Dosis	6,2E-09	6,7E-09	7,7E-09	6,5E-09	3,3E-08	2,4E-08	1,3E-08	6,5E-09
Gebärmutter	5,1E-09	5,5E-09	6,3E-09	5,3E-09	2,8E-09	2,4E-09	1,9E-09	1,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ru-106							
Zeit (d)	Inhalation Typ S				Gas/Dampf	Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	Tetroxid		
1	2,81E-01	4,59E-01	7,17E-01	6,72E-01	8,96E-01	9,35E-01	8,24E-01
2	5,21E-01	7,90E-01	1,19E+00	1,10E+00	1,47E+00	1,48E+00	1,58E+00
3	7,21E-01	9,96E-01	1,42E+00	1,29E+00	1,74E+00	1,68E+00	2,28E+00
3,5	8,11E-01	1,07E+00	1,48E+00	1,34E+00	1,81E+00	1,73E+00	2,62E+00
4	8,98E-01	1,14E+00	1,53E+00	1,37E+00	1,86E+00	1,76E+00	2,95E+00
5	1,07E+00	1,26E+00	1,60E+00	1,41E+00	1,94E+00	1,80E+00	3,59E+00
6	1,23E+00	1,38E+00	1,66E+00	1,44E+00	1,99E+00	1,83E+00	4,20E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	2,05E+00	1,86E+00	4,78E+00
8	1,54E+00	1,60E+00	1,78E+00	1,50E+00	2,09E+00	1,89E+00	5,34E+00
9	1,69E+00	1,71E+00	1,83E+00	1,52E+00	2,14E+00	1,92E+00	5,88E+00
10	1,85E+00	1,82E+00	1,89E+00	1,55E+00	2,18E+00	1,94E+00	6,41E+00
11	1,99E+00	1,92E+00	1,94E+00	1,57E+00	2,22E+00	1,97E+00	6,91E+00
12	2,14E+00	2,03E+00	2,00E+00	1,60E+00	2,26E+00	1,99E+00	7,40E+00
13	2,29E+00	2,13E+00	2,05E+00	1,62E+00	2,29E+00	2,02E+00	7,87E+00
14	2,43E+00	2,24E+00	2,10E+00	1,65E+00	2,33E+00	2,04E+00	8,33E+00
15	2,58E+00	2,34E+00	2,15E+00	1,67E+00	2,36E+00	2,06E+00	8,77E+00
20	3,29E+00	2,85E+00	2,41E+00	1,79E+00	2,51E+00	2,16E+00	1,08E+01
30	4,65E+00	3,83E+00	2,91E+00	2,01E+00	2,75E+00	2,34E+00	1,43E+01
40	5,96E+00	4,77E+00	3,38E+00	2,23E+00	2,96E+00	2,48E+00	1,71E+01
45	6,60E+00	5,23E+00	3,61E+00	2,33E+00	3,05E+00	2,55E+00	1,84E+01
50	7,22E+00	5,68E+00	3,84E+00	2,43E+00	3,14E+00	2,61E+00	1,96E+01
60	8,43E+00	6,55E+00	4,28E+00	2,63E+00	3,31E+00	2,72E+00	2,19E+01
70	9,59E+00	7,38E+00	4,70E+00	2,82E+00	3,46E+00	2,82E+00	2,40E+01
80	1,07E+01	8,19E+00	5,11E+00	3,01E+00	3,61E+00	2,92E+00	2,60E+01
90	1,18E+01	8,97E+00	5,50E+00	3,18E+00	3,74E+00	3,01E+00	2,78E+01
100	1,28E+01	9,72E+00	5,88E+00	3,36E+00	3,88E+00	3,10E+00	2,95E+01
120	1,48E+01	1,11E+01	6,59E+00	3,68E+00	4,12E+00	3,26E+00	3,28E+01
180	1,99E+01	1,48E+01	8,44E+00	4,52E+00	4,75E+00	3,69E+00	4,12E+01
200	2,14E+01	1,59E+01	8,98E+00	4,76E+00	4,93E+00	3,81E+00	4,37E+01
300	2,74E+01	2,02E+01	1,12E+01	5,76E+00	5,69E+00	4,33E+00	5,40E+01
360	3,01E+01	2,22E+01	1,22E+01	6,21E+00	6,05E+00	4,58E+00	5,90E+01
365	3,03E+01	2,23E+01	1,22E+01	6,25E+00	6,08E+00	4,60E+00	5,94E+01
400	3,17E+01	2,33E+01	1,27E+01	6,47E+00	6,25E+00	4,72E+00	6,20E+01
500	3,49E+01	2,56E+01	1,39E+01	7,01E+00	6,68E+00	5,03E+00	6,81E+01
600	3,72E+01	2,73E+01	1,48E+01	7,40E+00	7,00E+00	5,26E+00	7,28E+01
700	3,91E+01	2,86E+01	1,54E+01	7,71E+00	7,25E+00	5,45E+00	7,64E+01
800	4,05E+01	2,96E+01	1,60E+01	7,95E+00	7,44E+00	5,59E+00	7,93E+01
900	4,16E+01	3,04E+01	1,64E+01	8,14E+00	7,58E+00	5,70E+00	8,15E+01
1000	4,25E+01	3,11E+01	1,67E+01	8,29E+00	7,70E+00	5,79E+00	8,32E+01
2000	4,57E+01	3,34E+01	1,79E+01	8,84E+00	8,06E+00	6,07E+00	8,89E+01
3000	4,62E+01	3,37E+01	1,81E+01	8,92E+00	8,09E+00	6,09E+00	8,94E+01
4000	4,62E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
5000	4,63E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
6000	4,63E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
8000	4,63E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
10000	4,63E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
13500	4,63E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
14600	4,63E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
18250	4,63E+01	3,38E+01	1,81E+01	8,93E+00	8,10E+00	6,10E+00	8,94E+01
Eff. Dosis	9,6E-08	6,9E-08	3,6E-08	1,7E-08	7,0E-09	2,6E-09	2,8E-08
Gebärmutter	4,08E-10	5,9E-10	8,7E-10	8,0E-10	2,3E-09	2,4E-09	2,4E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Rh-105								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,21E-02	2,10E-02	3,35E-02	3,16E-02	1,22E-02	2,10E-02	3,36E-02	3,17E-02
0,08333	2,37E-02	4,10E-02	6,57E-02	6,20E-02	2,41E-02	4,14E-02	6,60E-02	6,23E-02
0,125	3,46E-02	6,02E-02	9,66E-02	9,12E-02	3,57E-02	6,11E-02	9,75E-02	9,19E-02
0,1667	4,50E-02	7,85E-02	1,26E-01	1,19E-01	4,69E-02	8,03E-02	1,28E-01	1,21E-01
0,2083	5,50E-02	9,63E-02	1,55E-01	1,46E-01	5,79E-02	9,89E-02	1,57E-01	1,48E-01
0,25	6,47E-02	1,13E-01	1,83E-01	1,73E-01	6,86E-02	1,17E-01	1,86E-01	1,75E-01
0,2917	7,40E-02	1,30E-01	2,10E-01	1,98E-01	7,91E-02	1,35E-01	2,14E-01	2,01E-01
0,3333	8,31E-02	1,46E-01	2,36E-01	2,23E-01	8,93E-02	1,52E-01	2,41E-01	2,27E-01
0,375	9,19E-02	1,62E-01	2,61E-01	2,47E-01	9,92E-02	1,68E-01	2,67E-01	2,51E-01
0,4167	1,01E-01	1,77E-01	2,85E-01	2,70E-01	1,09E-01	1,84E-01	2,92E-01	2,75E-01
0,4583	1,09E-01	1,91E-01	3,09E-01	2,92E-01	1,18E-01	2,00E-01	3,17E-01	2,99E-01
0,5	1,17E-01	2,06E-01	3,32E-01	3,14E-01	1,28E-01	2,15E-01	3,41E-01	3,21E-01
0,5417	1,25E-01	2,20E-01	3,54E-01	3,35E-01	1,37E-01	2,30E-01	3,64E-01	3,43E-01
0,5833	1,33E-01	2,33E-01	3,76E-01	3,55E-01	1,45E-01	2,45E-01	3,87E-01	3,64E-01
0,625	1,40E-01	2,46E-01	3,97E-01	3,75E-01	1,54E-01	2,59E-01	4,09E-01	3,85E-01
0,6667	1,48E-01	2,59E-01	4,17E-01	3,94E-01	1,62E-01	2,72E-01	4,30E-01	4,05E-01
0,7083	1,55E-01	2,71E-01	4,37E-01	4,13E-01	1,70E-01	2,86E-01	4,51E-01	4,24E-01
0,75	1,62E-01	2,83E-01	4,56E-01	4,31E-01	1,78E-01	2,98E-01	4,71E-01	4,43E-01
0,7917	1,69E-01	2,95E-01	4,74E-01	4,48E-01	1,86E-01	3,11E-01	4,90E-01	4,61E-01
0,8333	1,75E-01	3,06E-01	4,92E-01	4,65E-01	1,94E-01	3,23E-01	5,09E-01	4,78E-01
0,875	1,82E-01	3,17E-01	5,09E-01	4,81E-01	2,01E-01	3,35E-01	5,27E-01	4,95E-01
0,9167	1,88E-01	3,27E-01	5,26E-01	4,97E-01	2,08E-01	3,46E-01	5,44E-01	5,11E-01
0,9583	1,94E-01	3,37E-01	5,42E-01	5,12E-01	2,15E-01	3,57E-01	5,61E-01	5,27E-01
1	2,00E-01	3,47E-01	5,58E-01	5,27E-01	2,22E-01	3,68E-01	5,77E-01	5,42E-01
1,083	2,11E-01	3,66E-01	5,87E-01	5,54E-01	2,35E-01	3,88E-01	6,08E-01	5,70E-01
1,167	2,22E-01	3,84E-01	6,15E-01	5,80E-01	2,47E-01	4,07E-01	6,36E-01	5,97E-01
1,25	2,32E-01	4,00E-01	6,40E-01	6,04E-01	2,59E-01	4,24E-01	6,62E-01	6,21E-01
1,333	2,42E-01	4,16E-01	6,64E-01	6,26E-01	2,70E-01	4,40E-01	6,86E-01	6,43E-01
1,417	2,51E-01	4,30E-01	6,86E-01	6,47E-01	2,81E-01	4,56E-01	7,08E-01	6,63E-01
1,5	2,59E-01	4,44E-01	7,07E-01	6,66E-01	2,91E-01	4,70E-01	7,28E-01	6,82E-01
1,667	2,75E-01	4,67E-01	7,43E-01	6,99E-01	3,09E-01	4,94E-01	7,63E-01	7,14E-01
1,833	2,89E-01	4,88E-01	7,73E-01	7,28E-01	3,25E-01	5,16E-01	7,92E-01	7,40E-01
2	3,02E-01	5,06E-01	7,99E-01	7,52E-01	3,39E-01	5,34E-01	8,16E-01	7,61E-01
3	3,54E-01	5,74E-01	8,92E-01	8,35E-01	3,99E-01	5,98E-01	8,90E-01	8,24E-01
4	3,83E-01	6,06E-01	9,31E-01	8,69E-01	4,32E-01	6,25E-01	9,13E-01	8,41E-01
5	3,99E-01	6,24E-01	9,51E-01	8,86E-01	4,52E-01	6,40E-01	9,22E-01	8,47E-01
6	4,09E-01	6,34E-01	9,63E-01	8,95E-01	4,63E-01	6,48E-01	9,27E-01	8,49E-01
7	4,15E-01	6,40E-01	9,70E-01	9,01E-01	4,71E-01	6,53E-01	9,30E-01	8,51E-01
8	4,18E-01	6,44E-01	9,74E-01	9,05E-01	4,75E-01	6,56E-01	9,32E-01	8,52E-01
9	4,20E-01	6,46E-01	9,76E-01	9,07E-01	4,78E-01	6,58E-01	9,33E-01	8,52E-01
10	4,22E-01	6,47E-01	9,78E-01	9,08E-01	4,79E-01	6,60E-01	9,34E-01	8,53E-01
11	4,22E-01	6,48E-01	9,79E-01	9,09E-01	4,80E-01	6,60E-01	9,34E-01	8,53E-01
12	4,23E-01	6,49E-01	9,79E-01	9,09E-01	4,81E-01	6,61E-01	9,34E-01	8,53E-01
13	4,23E-01	6,49E-01	9,80E-01	9,09E-01	4,81E-01	6,61E-01	9,34E-01	8,53E-01
14	4,23E-01	6,49E-01	9,80E-01	9,10E-01	4,81E-01	6,61E-01	9,34E-01	8,53E-01
15	4,23E-01	6,49E-01	9,80E-01	9,10E-01	4,82E-01	6,61E-01	9,35E-01	8,53E-01
16	4,24E-01	6,49E-01	9,80E-01	9,10E-01	4,82E-01	6,61E-01	9,35E-01	8,53E-01
17	4,24E-01	6,49E-01	9,80E-01	9,10E-01	4,82E-01	6,61E-01	9,35E-01	8,53E-01
18	4,24E-01	6,49E-01	9,80E-01	9,10E-01	4,82E-01	6,61E-01	9,35E-01	8,53E-01
Eff. Dosis	2,8E-11	4,1E-11	6,0E-11	5,4E-11	1,7E-10	1,3E-10	1,2E-10	9,1E-11
Gebärmutter	1,1E-11	1,8E-11	2,8E-11	2,6E-11	5,9E-12	1,5E-11	2,7E-11	2,6E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Rh-105						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,22E-02	2,10E-02	3,36E-02	3,17E-02	4,13E-02	4,03E-02
0,08333	2,41E-02	4,14E-02	6,61E-02	6,23E-02	8,17E-02	7,76E-02
0,125	3,57E-02	6,11E-02	9,75E-02	9,19E-02	1,21E-01	1,13E-01
0,1667	4,70E-02	8,03E-02	1,28E-01	1,21E-01	1,60E-01	1,46E-01
0,2083	5,81E-02	9,90E-02	1,58E-01	1,48E-01	1,98E-01	1,78E-01
0,25	6,89E-02	1,17E-01	1,86E-01	1,75E-01	2,35E-01	2,10E-01
0,2917	7,94E-02	1,35E-01	2,14E-01	2,02E-01	2,72E-01	2,40E-01
0,3333	8,97E-02	1,52E-01	2,41E-01	2,27E-01	3,07E-01	2,70E-01
0,375	9,97E-02	1,69E-01	2,67E-01	2,52E-01	3,42E-01	2,99E-01
0,4167	1,10E-01	1,85E-01	2,93E-01	2,76E-01	3,76E-01	3,27E-01
0,4583	1,19E-01	2,01E-01	3,18E-01	2,99E-01	4,09E-01	3,55E-01
0,5	1,29E-01	2,16E-01	3,42E-01	3,21E-01	4,41E-01	3,82E-01
0,5417	1,38E-01	2,31E-01	3,65E-01	3,43E-01	4,72E-01	4,08E-01
0,5833	1,47E-01	2,46E-01	3,88E-01	3,65E-01	5,03E-01	4,34E-01
0,625	1,55E-01	2,60E-01	4,10E-01	3,85E-01	5,32E-01	4,59E-01
0,6667	1,64E-01	2,74E-01	4,31E-01	4,05E-01	5,60E-01	4,84E-01
0,7083	1,72E-01	2,87E-01	4,52E-01	4,25E-01	5,88E-01	5,08E-01
0,75	1,80E-01	3,00E-01	4,72E-01	4,43E-01	6,14E-01	5,31E-01
0,7917	1,88E-01	3,13E-01	4,91E-01	4,61E-01	6,40E-01	5,54E-01
0,8333	1,96E-01	3,25E-01	5,10E-01	4,79E-01	6,65E-01	5,77E-01
0,875	2,04E-01	3,37E-01	5,28E-01	4,96E-01	6,88E-01	5,99E-01
0,9167	2,11E-01	3,48E-01	5,46E-01	5,12E-01	7,11E-01	6,21E-01
0,9583	2,18E-01	3,59E-01	5,62E-01	5,28E-01	7,33E-01	6,42E-01
1	2,25E-01	3,70E-01	5,79E-01	5,43E-01	7,53E-01	6,62E-01
1,083	2,38E-01	3,90E-01	6,09E-01	5,71E-01	7,92E-01	7,02E-01
1,167	2,51E-01	4,09E-01	6,38E-01	5,98E-01	8,28E-01	7,40E-01
1,25	2,63E-01	4,27E-01	6,64E-01	6,22E-01	8,60E-01	7,77E-01
1,333	2,74E-01	4,44E-01	6,88E-01	6,44E-01	8,89E-01	8,11E-01
1,417	2,85E-01	4,59E-01	7,10E-01	6,64E-01	9,15E-01	8,45E-01
1,5	2,95E-01	4,73E-01	7,31E-01	6,83E-01	9,38E-01	8,76E-01
1,667	3,14E-01	4,98E-01	7,66E-01	7,15E-01	9,77E-01	9,36E-01
1,833	3,31E-01	5,20E-01	7,95E-01	7,41E-01	1,01E+00	9,90E-01
2	3,46E-01	5,38E-01	8,19E-01	7,62E-01	1,03E+00	1,04E+00
3	4,09E-01	6,03E-01	8,92E-01	8,25E-01	1,10E+00	1,26E+00
4	4,43E-01	6,32E-01	9,15E-01	8,41E-01	1,11E+00	1,39E+00
5	4,64E-01	6,47E-01	9,24E-01	8,46E-01	1,12E+00	1,47E+00
6	4,76E-01	6,56E-01	9,28E-01	8,48E-01	1,12E+00	1,52E+00
7	4,84E-01	6,61E-01	9,31E-01	8,49E-01	1,12E+00	1,54E+00
8	4,88E-01	6,64E-01	9,33E-01	8,50E-01	1,12E+00	1,56E+00
9	4,91E-01	6,66E-01	9,34E-01	8,51E-01	1,13E+00	1,57E+00
10	4,93E-01	6,68E-01	9,35E-01	8,51E-01	1,13E+00	1,58E+00
11	4,94E-01	6,68E-01	9,35E-01	8,51E-01	1,13E+00	1,58E+00
12	4,95E-01	6,69E-01	9,35E-01	8,51E-01	1,13E+00	1,58E+00
13	4,95E-01	6,69E-01	9,35E-01	8,51E-01	1,13E+00	1,58E+00
14	4,96E-01	6,69E-01	9,35E-01	8,51E-01	1,13E+00	1,59E+00
15	4,96E-01	6,69E-01	9,36E-01	8,51E-01	1,13E+00	1,59E+00
16	4,96E-01	6,70E-01	9,36E-01	8,51E-01	1,13E+00	1,59E+00
17	4,96E-01	6,70E-01	9,36E-01	8,51E-01	1,13E+00	1,59E+00
18	4,96E-01	6,70E-01	9,36E-01	8,51E-01	1,13E+00	1,59E+00
Eff. Dosis	2,0E-10	1,5E-10	1,4E-10	9,7E-11	4,9E-11	8,3E-11
Gebärmutter	4,7E-12	1,4E-11	2,7E-11	2,6E-11	4,8E-11	4,2E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-105

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,79E-01	4,57E-01	7,13E-01	6,69E-01	2,79E-01	4,57E-01	7,13E-01	6,68E-01
2	5,14E-01	7,85E-01	1,18E+00	1,10E+00	5,14E-01	7,82E-01	1,17E+00	1,09E+00
3	7,07E-01	9,93E-01	1,43E+00	1,31E+00	7,07E-01	9,82E-01	1,40E+00	1,28E+00
3,5	7,93E-01	1,07E+00	1,50E+00	1,37E+00	7,93E-01	1,06E+00	1,46E+00	1,33E+00
4	8,75E-01	1,14E+00	1,56E+00	1,41E+00	8,75E-01	1,12E+00	1,51E+00	1,36E+00
5	1,03E+00	1,27E+00	1,66E+00	1,48E+00	1,03E+00	1,24E+00	1,59E+00	1,40E+00
6	1,18E+00	1,38E+00	1,74E+00	1,53E+00	1,18E+00	1,35E+00	1,65E+00	1,44E+00
7	1,33E+00	1,50E+00	1,82E+00	1,59E+00	1,33E+00	1,45E+00	1,71E+00	1,47E+00
8	1,47E+00	1,60E+00	1,90E+00	1,64E+00	1,47E+00	1,55E+00	1,76E+00	1,50E+00
9	1,60E+00	1,71E+00	1,98E+00	1,69E+00	1,60E+00	1,65E+00	1,82E+00	1,53E+00
10	1,73E+00	1,81E+00	2,05E+00	1,74E+00	1,73E+00	1,74E+00	1,87E+00	1,55E+00
11	1,86E+00	1,91E+00	2,12E+00	1,78E+00	1,86E+00	1,84E+00	1,92E+00	1,58E+00
12	1,98E+00	2,01E+00	2,19E+00	1,83E+00	1,98E+00	1,93E+00	1,97E+00	1,60E+00
13	2,10E+00	2,10E+00	2,26E+00	1,87E+00	2,11E+00	2,01E+00	2,02E+00	1,63E+00
14	2,22E+00	2,19E+00	2,32E+00	1,92E+00	2,22E+00	2,10E+00	2,07E+00	1,65E+00
15	2,33E+00	2,28E+00	2,38E+00	1,96E+00	2,34E+00	2,18E+00	2,11E+00	1,68E+00
20	2,85E+00	2,68E+00	2,67E+00	2,15E+00	2,88E+00	2,58E+00	2,33E+00	1,79E+00
30	3,67E+00	3,32E+00	3,13E+00	2,45E+00	3,79E+00	3,24E+00	2,69E+00	1,97E+00
40	4,28E+00	3,79E+00	3,47E+00	2,67E+00	4,52E+00	3,77E+00	2,98E+00	2,11E+00
45	4,52E+00	3,98E+00	3,61E+00	2,76E+00	4,83E+00	3,99E+00	3,10E+00	2,17E+00
50	4,73E+00	4,14E+00	3,72E+00	2,84E+00	5,10E+00	4,19E+00	3,21E+00	2,23E+00
60	5,07E+00	4,40E+00	3,91E+00	2,96E+00	5,57E+00	4,53E+00	3,39E+00	2,32E+00
70	5,31E+00	4,59E+00	4,05E+00	3,05E+00	5,94E+00	4,81E+00	3,53E+00	2,39E+00
80	5,50E+00	4,74E+00	4,15E+00	3,12E+00	6,24E+00	5,02E+00	3,65E+00	2,44E+00
90	5,64E+00	4,84E+00	4,23E+00	3,17E+00	6,48E+00	5,20E+00	3,74E+00	2,49E+00
100	5,74E+00	4,92E+00	4,28E+00	3,20E+00	6,67E+00	5,33E+00	3,81E+00	2,52E+00
120	5,87E+00	5,03E+00	4,36E+00	3,25E+00	6,94E+00	5,53E+00	3,92E+00	2,57E+00
180	6,00E+00	5,13E+00	4,43E+00	3,30E+00	7,30E+00	5,79E+00	4,05E+00	2,64E+00
200	6,02E+00	5,14E+00	4,44E+00	3,31E+00	7,34E+00	5,82E+00	4,07E+00	2,65E+00
300	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,41E+00	5,87E+00	4,09E+00	2,66E+00
360	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
365	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
400	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
500	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
600	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
700	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
800	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
900	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
1000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
2000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
3000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
4000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
5000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
6000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
8000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
10000	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
13500	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
14600	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
18250	6,03E+00	5,15E+00	4,45E+00	3,31E+00	7,42E+00	5,87E+00	4,10E+00	2,66E+00
Eff. Dosis	5,5E-10	4,8E-10	4,3E-10	3,2E-10	9,8E-10	7,6E-10	5,1E-10	3,2E-10
Gebärmutter	2,0E-10	2,8E-10	4,0E-10	3,7E-10	1,3E-10	2,2E-10	3,7E-10	3,5E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-105						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,79E-01	4,57E-01	7,13E-01	6,68E-01	9,35E-01	9,86E-01
2	5,14E-01	7,81E-01	1,17E+00	1,09E+00	1,48E+00	1,93E+00
3	7,07E-01	9,79E-01	1,39E+00	1,27E+00	1,68E+00	2,83E+00
3,5	7,93E-01	1,05E+00	1,45E+00	1,32E+00	1,73E+00	3,27E+00
4	8,75E-01	1,12E+00	1,50E+00	1,35E+00	1,77E+00	3,69E+00
5	1,03E+00	1,23E+00	1,57E+00	1,39E+00	1,82E+00	4,53E+00
6	1,18E+00	1,34E+00	1,63E+00	1,42E+00	1,86E+00	5,34E+00
7	1,33E+00	1,44E+00	1,68E+00	1,44E+00	1,90E+00	6,12E+00
8	1,47E+00	1,54E+00	1,73E+00	1,46E+00	1,94E+00	6,88E+00
9	1,60E+00	1,63E+00	1,78E+00	1,49E+00	1,97E+00	7,61E+00
10	1,73E+00	1,73E+00	1,83E+00	1,51E+00	2,01E+00	8,33E+00
11	1,86E+00	1,82E+00	1,87E+00	1,53E+00	2,04E+00	9,02E+00
12	1,99E+00	1,91E+00	1,92E+00	1,55E+00	2,08E+00	9,69E+00
13	2,11E+00	2,00E+00	1,96E+00	1,57E+00	2,11E+00	1,03E+01
14	2,23E+00	2,08E+00	2,01E+00	1,59E+00	2,14E+00	1,10E+01
15	2,34E+00	2,16E+00	2,05E+00	1,61E+00	2,17E+00	1,16E+01
20	2,89E+00	2,56E+00	2,25E+00	1,70E+00	2,31E+00	1,44E+01
30	3,84E+00	3,24E+00	2,59E+00	1,86E+00	2,54E+00	1,89E+01
40	4,62E+00	3,80E+00	2,87E+00	1,98E+00	2,70E+00	2,22E+01
45	4,95E+00	4,04E+00	3,00E+00	2,04E+00	2,77E+00	2,35E+01
50	5,26E+00	4,26E+00	3,11E+00	2,09E+00	2,83E+00	2,46E+01
60	5,80E+00	4,65E+00	3,30E+00	2,18E+00	2,92E+00	2,65E+01
70	6,24E+00	4,97E+00	3,46E+00	2,25E+00	2,99E+00	2,78E+01
80	6,61E+00	5,23E+00	3,60E+00	2,31E+00	3,04E+00	2,88E+01
90	6,91E+00	5,45E+00	3,71E+00	2,36E+00	3,07E+00	2,96E+01
100	7,16E+00	5,63E+00	3,80E+00	2,40E+00	3,10E+00	3,01E+01
120	7,55E+00	5,90E+00	3,94E+00	2,47E+00	3,14E+00	3,08E+01
180	8,11E+00	6,31E+00	4,14E+00	2,56E+00	3,18E+00	3,16E+01
200	8,20E+00	6,38E+00	4,17E+00	2,57E+00	3,18E+00	3,16E+01
300	8,36E+00	6,49E+00	4,23E+00	2,60E+00	3,18E+00	3,17E+01
360	8,38E+00	6,51E+00	4,24E+00	2,60E+00	3,18E+00	3,17E+01
365	8,39E+00	6,51E+00	4,24E+00	2,60E+00	3,18E+00	3,17E+01
400	8,39E+00	6,51E+00	4,24E+00	2,61E+00	3,18E+00	3,17E+01
500	8,39E+00	6,51E+00	4,24E+00	2,61E+00	3,18E+00	3,17E+01
600	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
700	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
800	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
900	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
1000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
2000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
3000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
4000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
5000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
6000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
8000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
10000	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
13500	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
14600	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
18250	8,40E+00	6,52E+00	4,25E+00	2,61E+00	3,18E+00	3,17E+01
Eff. Dosis	1,2E-09	9,3E-10	5,9E-10	3,5E-10	3,5E-10	2,8E-09
Gebärmutter	8,71E-11	2,0E-10	3,5E-10	3,4E-10	5,6E-10	8,3E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-106m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,70E-01	4,42E-01	6,91E-01	6,48E-01	2,70E-01	4,42E-01	6,91E-01	6,47E-01
2	4,83E-01	7,40E-01	1,12E+00	1,04E+00	4,83E-01	7,37E-01	1,11E+00	1,03E+00
3	6,46E-01	9,16E-01	1,32E+00	1,21E+00	6,46E-01	9,07E-01	1,30E+00	1,19E+00
3,5	7,15E-01	9,79E-01	1,38E+00	1,26E+00	7,16E-01	9,66E-01	1,35E+00	1,23E+00
4	7,79E-01	1,03E+00	1,43E+00	1,30E+00	7,80E-01	1,02E+00	1,39E+00	1,26E+00
5	8,95E-01	1,13E+00	1,50E+00	1,35E+00	8,95E-01	1,10E+00	1,44E+00	1,29E+00
6	9,98E-01	1,21E+00	1,56E+00	1,39E+00	9,99E-01	1,18E+00	1,49E+00	1,31E+00
7	1,09E+00	1,28E+00	1,61E+00	1,42E+00	1,09E+00	1,25E+00	1,53E+00	1,33E+00
8	1,18E+00	1,35E+00	1,66E+00	1,45E+00	1,18E+00	1,31E+00	1,56E+00	1,35E+00
9	1,25E+00	1,41E+00	1,70E+00	1,48E+00	1,25E+00	1,36E+00	1,59E+00	1,36E+00
10	1,32E+00	1,46E+00	1,74E+00	1,51E+00	1,32E+00	1,41E+00	1,62E+00	1,38E+00
11	1,39E+00	1,51E+00	1,78E+00	1,53E+00	1,39E+00	1,46E+00	1,64E+00	1,39E+00
12	1,44E+00	1,55E+00	1,81E+00	1,55E+00	1,44E+00	1,50E+00	1,67E+00	1,40E+00
13	1,50E+00	1,59E+00	1,84E+00	1,57E+00	1,50E+00	1,54E+00	1,69E+00	1,41E+00
14	1,54E+00	1,63E+00	1,86E+00	1,59E+00	1,54E+00	1,57E+00	1,71E+00	1,42E+00
15	1,58E+00	1,66E+00	1,89E+00	1,60E+00	1,59E+00	1,60E+00	1,72E+00	1,43E+00
20	1,75E+00	1,79E+00	1,98E+00	1,66E+00	1,76E+00	1,73E+00	1,79E+00	1,47E+00
30	1,91E+00	1,91E+00	2,07E+00	1,72E+00	1,93E+00	1,86E+00	1,86E+00	1,50E+00
40	1,97E+00	1,96E+00	2,10E+00	1,74E+00	2,00E+00	1,91E+00	1,89E+00	1,52E+00
45	1,98E+00	1,97E+00	2,11E+00	1,75E+00	2,02E+00	1,92E+00	1,90E+00	1,52E+00
50	1,99E+00	1,98E+00	2,11E+00	1,75E+00	2,03E+00	1,93E+00	1,90E+00	1,52E+00
60	2,00E+00	1,98E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
70	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
80	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
90	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
100	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
120	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
180	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
200	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
300	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
360	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
365	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
400	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
500	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
600	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
700	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
800	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
900	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
1000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
2000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
3000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
4000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
5000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
6000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
8000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
10000	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
13500	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
14600	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
18250	2,00E+00	1,99E+00	2,12E+00	1,75E+00	2,05E+00	1,94E+00	1,91E+00	1,53E+00
Eff. Dosis	8,9E-10	9,2E-10	1,0E-09	8,6E-10	1,1E-09	1,1E-09	1,0E-09	8,1E-10
Gebärmutter	4,6E-10	8,9E-10	1,5E-09	1,4E-09	3,4E-10	8,2E-10	1,5E-09	1,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-106m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,70E-01	4,42E-01	6,90E-01	6,47E-01	9,06E-01	9,54E-01
2	4,83E-01	7,36E-01	1,11E+00	1,03E+00	1,40E+00	1,81E+00
3	6,46E-01	9,04E-01	1,30E+00	1,19E+00	1,57E+00	2,57E+00
3,5	7,16E-01	9,63E-01	1,34E+00	1,22E+00	1,61E+00	2,92E+00
4	7,80E-01	1,01E+00	1,38E+00	1,25E+00	1,64E+00	3,25E+00
5	8,96E-01	1,10E+00	1,43E+00	1,27E+00	1,68E+00	3,87E+00
6	9,99E-01	1,17E+00	1,47E+00	1,29E+00	1,71E+00	4,43E+00
7	1,09E+00	1,24E+00	1,50E+00	1,31E+00	1,73E+00	4,94E+00
8	1,18E+00	1,30E+00	1,53E+00	1,32E+00	1,76E+00	5,39E+00
9	1,25E+00	1,35E+00	1,56E+00	1,34E+00	1,78E+00	5,81E+00
10	1,32E+00	1,40E+00	1,59E+00	1,35E+00	1,80E+00	6,19E+00
11	1,39E+00	1,45E+00	1,61E+00	1,36E+00	1,81E+00	6,53E+00
12	1,44E+00	1,49E+00	1,63E+00	1,37E+00	1,83E+00	6,84E+00
13	1,50E+00	1,53E+00	1,65E+00	1,38E+00	1,84E+00	7,12E+00
14	1,55E+00	1,56E+00	1,67E+00	1,39E+00	1,85E+00	7,38E+00
15	1,59E+00	1,59E+00	1,68E+00	1,39E+00	1,87E+00	7,61E+00
20	1,76E+00	1,71E+00	1,75E+00	1,42E+00	1,91E+00	8,48E+00
30	1,94E+00	1,84E+00	1,81E+00	1,45E+00	1,95E+00	9,35E+00
40	2,02E+00	1,90E+00	1,84E+00	1,46E+00	1,97E+00	9,68E+00
45	2,04E+00	1,91E+00	1,85E+00	1,47E+00	1,97E+00	9,76E+00
50	2,05E+00	1,92E+00	1,85E+00	1,47E+00	1,98E+00	9,81E+00
60	2,07E+00	1,93E+00	1,86E+00	1,47E+00	1,98E+00	9,85E+00
70	2,07E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,87E+00
80	2,07E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
90	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
100	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
120	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
180	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
200	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
300	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
360	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
365	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
400	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
500	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
600	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
700	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
800	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
900	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
1000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
2000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
3000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
4000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
5000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
6000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
8000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
10000	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
13500	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
14600	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
18250	2,08E+00	1,94E+00	1,86E+00	1,47E+00	1,98E+00	9,88E+00
Eff. Dosis	1,2E-09	1,1E-09	1,0E-09	8,0E-10	1,1E-09	4,1E-09
Gebärmutter	3,0E-10	8,0E-10	1,5E-09	1,4E-09	2,4E-09	1,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-108m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,61E-01	7,19E-01	6,74E-01	2,81E-01	4,60E-01	7,19E-01	6,74E-01
2	5,23E-01	7,97E-01	1,20E+00	1,11E+00	5,23E-01	7,93E-01	1,19E+00	1,11E+00
3	7,23E-01	1,01E+00	1,45E+00	1,33E+00	7,23E-01	1,00E+00	1,43E+00	1,30E+00
3,5	8,14E-01	1,10E+00	1,53E+00	1,39E+00	8,14E-01	1,08E+00	1,49E+00	1,35E+00
4	9,02E-01	1,17E+00	1,60E+00	1,44E+00	9,02E-01	1,15E+00	1,54E+00	1,39E+00
5	1,07E+00	1,31E+00	1,70E+00	1,51E+00	1,07E+00	1,28E+00	1,62E+00	1,44E+00
6	1,23E+00	1,43E+00	1,79E+00	1,58E+00	1,24E+00	1,39E+00	1,69E+00	1,47E+00
7	1,40E+00	1,56E+00	1,88E+00	1,64E+00	1,40E+00	1,51E+00	1,76E+00	1,51E+00
8	1,55E+00	1,68E+00	1,97E+00	1,69E+00	1,55E+00	1,62E+00	1,82E+00	1,54E+00
9	1,71E+00	1,80E+00	2,06E+00	1,75E+00	1,71E+00	1,74E+00	1,88E+00	1,57E+00
10	1,86E+00	1,92E+00	2,15E+00	1,81E+00	1,86E+00	1,85E+00	1,95E+00	1,60E+00
11	2,02E+00	2,04E+00	2,23E+00	1,86E+00	2,02E+00	1,96E+00	2,01E+00	1,64E+00
12	2,17E+00	2,16E+00	2,31E+00	1,92E+00	2,17E+00	2,07E+00	2,07E+00	1,67E+00
13	2,31E+00	2,27E+00	2,40E+00	1,97E+00	2,32E+00	2,18E+00	2,13E+00	1,70E+00
14	2,46E+00	2,39E+00	2,48E+00	2,03E+00	2,47E+00	2,29E+00	2,19E+00	1,73E+00
15	2,60E+00	2,50E+00	2,56E+00	2,08E+00	2,61E+00	2,39E+00	2,25E+00	1,76E+00
20	3,29E+00	3,03E+00	2,94E+00	2,33E+00	3,34E+00	2,92E+00	2,53E+00	1,90E+00
30	4,54E+00	4,00E+00	3,64E+00	2,79E+00	4,72E+00	3,93E+00	3,08E+00	2,18E+00
40	5,64E+00	4,85E+00	4,25E+00	3,19E+00	6,03E+00	4,88E+00	3,60E+00	2,44E+00
45	6,13E+00	5,24E+00	4,53E+00	3,37E+00	6,66E+00	5,34E+00	3,85E+00	2,56E+00
50	6,60E+00	5,60E+00	4,79E+00	3,54E+00	7,27E+00	5,78E+00	4,09E+00	2,68E+00
60	7,44E+00	6,26E+00	5,25E+00	3,85E+00	8,45E+00	6,64E+00	4,55E+00	2,91E+00
70	8,18E+00	6,83E+00	5,67E+00	4,12E+00	9,56E+00	7,45E+00	4,98E+00	3,12E+00
80	8,83E+00	7,33E+00	6,03E+00	4,36E+00	1,06E+01	8,21E+00	5,39E+00	3,32E+00
90	9,40E+00	7,78E+00	6,35E+00	4,57E+00	1,16E+01	8,93E+00	5,77E+00	3,51E+00
100	9,90E+00	8,17E+00	6,63E+00	4,75E+00	1,26E+01	9,61E+00	6,13E+00	3,68E+00
120	1,07E+01	8,81E+00	7,09E+00	5,06E+00	1,43E+01	1,09E+01	6,79E+00	4,00E+00
180	1,22E+01	9,98E+00	7,93E+00	5,61E+00	1,84E+01	1,38E+01	8,33E+00	4,73E+00
200	1,25E+01	1,02E+01	8,09E+00	5,72E+00	1,94E+01	1,46E+01	8,72E+00	4,91E+00
300	1,32E+01	1,08E+01	8,49E+00	5,98E+00	2,32E+01	1,73E+01	1,01E+01	5,56E+00
360	1,34E+01	1,09E+01	8,57E+00	6,03E+00	2,45E+01	1,83E+01	1,06E+01	5,78E+00
365	1,34E+01	1,09E+01	8,58E+00	6,03E+00	2,46E+01	1,83E+01	1,06E+01	5,80E+00
400	1,34E+01	1,09E+01	8,60E+00	6,05E+00	2,52E+01	1,87E+01	1,08E+01	5,90E+00
500	1,35E+01	1,10E+01	8,63E+00	6,07E+00	2,62E+01	1,95E+01	1,12E+01	6,08E+00
600	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,68E+01	1,99E+01	1,15E+01	6,18E+00
700	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,72E+01	2,02E+01	1,16E+01	6,23E+00
800	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,74E+01	2,03E+01	1,17E+01	6,27E+00
900	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,75E+01	2,04E+01	1,17E+01	6,28E+00
1000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,75E+01	2,04E+01	1,17E+01	6,29E+00
2000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
3000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
4000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
5000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
6000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
8000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
10000	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
13500	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
14600	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
18250	1,35E+01	1,10E+01	8,64E+00	6,08E+00	2,76E+01	2,05E+01	1,17E+01	6,31E+00
Eff. Dosis	3,7E-09	3,0E-09	2,4E-09	1,7E-09	1,1E-08	7,8E-09	4,4E-09	2,3E-09
Gebärmutter	1,2E-09	1,3E-09	1,6E-09	1,4E-09	1,1E-09	1,2E-09	1,4E-09	1,2E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-108m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,43E-01	9,95E-01
2	5,23E-01	7,92E-01	1,19E+00	1,10E+00	1,50E+00	1,96E+00
3	7,23E-01	9,99E-01	1,42E+00	1,30E+00	1,71E+00	2,90E+00
3,5	8,15E-01	1,08E+00	1,48E+00	1,35E+00	1,76E+00	3,36E+00
4	9,02E-01	1,14E+00	1,53E+00	1,38E+00	1,80E+00	3,82E+00
5	1,07E+00	1,27E+00	1,61E+00	1,42E+00	1,86E+00	4,72E+00
6	1,24E+00	1,38E+00	1,67E+00	1,45E+00	1,90E+00	5,60E+00
7	1,40E+00	1,50E+00	1,73E+00	1,48E+00	1,95E+00	6,48E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,99E+00	7,34E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	2,03E+00	8,19E+00
10	1,86E+00	1,83E+00	1,90E+00	1,55E+00	2,07E+00	9,02E+00
11	2,02E+00	1,94E+00	1,95E+00	1,58E+00	2,12E+00	9,85E+00
12	2,17E+00	2,05E+00	2,01E+00	1,61E+00	2,16E+00	1,07E+01
13	2,32E+00	2,16E+00	2,06E+00	1,63E+00	2,20E+00	1,15E+01
14	2,47E+00	2,26E+00	2,12E+00	1,66E+00	2,24E+00	1,23E+01
15	2,62E+00	2,37E+00	2,17E+00	1,68E+00	2,28E+00	1,30E+01
20	3,35E+00	2,90E+00	2,44E+00	1,80E+00	2,46E+00	1,68E+01
30	4,79E+00	3,93E+00	2,96E+00	2,04E+00	2,80E+00	2,36E+01
40	6,19E+00	4,94E+00	3,47E+00	2,27E+00	3,10E+00	2,96E+01
45	6,88E+00	5,43E+00	3,72E+00	2,38E+00	3,24E+00	3,23E+01
50	7,57E+00	5,93E+00	3,97E+00	2,50E+00	3,36E+00	3,48E+01
60	8,91E+00	6,90E+00	4,46E+00	2,72E+00	3,59E+00	3,94E+01
70	1,02E+01	7,84E+00	4,94E+00	2,93E+00	3,80E+00	4,34E+01
80	1,15E+01	8,77E+00	5,41E+00	3,15E+00	3,97E+00	4,69E+01
90	1,28E+01	9,69E+00	5,87E+00	3,36E+00	4,13E+00	5,00E+01
100	1,40E+01	1,06E+01	6,32E+00	3,56E+00	4,27E+00	5,28E+01
120	1,65E+01	1,23E+01	7,19E+00	3,96E+00	4,49E+00	5,73E+01
180	2,32E+01	1,72E+01	9,64E+00	5,06E+00	4,90E+00	6,55E+01
200	2,53E+01	1,87E+01	1,04E+01	5,41E+00	4,98E+00	6,71E+01
300	3,48E+01	2,55E+01	1,39E+01	6,97E+00	5,18E+00	7,10E+01
360	3,98E+01	2,91E+01	1,57E+01	7,81E+00	5,22E+00	7,18E+01
365	4,02E+01	2,94E+01	1,58E+01	7,87E+00	5,22E+00	7,18E+01
400	4,30E+01	3,14E+01	1,68E+01	8,33E+00	5,23E+00	7,20E+01
500	5,02E+01	3,66E+01	1,95E+01	9,53E+00	5,25E+00	7,23E+01
600	5,67E+01	4,13E+01	2,19E+01	1,06E+01	5,25E+00	7,24E+01
700	6,27E+01	4,56E+01	2,40E+01	1,16E+01	5,25E+00	7,24E+01
800	6,82E+01	4,96E+01	2,61E+01	1,26E+01	5,25E+00	7,24E+01
900	7,35E+01	5,34E+01	2,80E+01	1,34E+01	5,25E+00	7,24E+01
1000	7,85E+01	5,70E+01	2,98E+01	1,43E+01	5,25E+00	7,24E+01
2000	1,22E+02	8,86E+01	4,60E+01	2,17E+01	5,25E+00	7,24E+01
3000	1,61E+02	1,16E+02	6,00E+01	2,82E+01	5,25E+00	7,24E+01
4000	1,95E+02	1,41E+02	7,27E+01	3,40E+01	5,25E+00	7,24E+01
5000	2,26E+02	1,63E+02	8,41E+01	3,93E+01	5,25E+00	7,24E+01
6000	2,54E+02	1,83E+02	9,44E+01	4,40E+01	5,25E+00	7,24E+01
8000	3,01E+02	2,18E+02	1,12E+02	5,22E+01	5,25E+00	7,24E+01
10000	3,40E+02	2,46E+02	1,26E+02	5,87E+01	5,25E+00	7,24E+01
13500	3,91E+02	2,83E+02	1,45E+02	6,74E+01	5,25E+00	7,24E+01
14600	4,04E+02	2,92E+02	1,50E+02	6,95E+01	5,25E+00	7,24E+01
18250	4,04E+02	2,92E+02	1,50E+02	6,95E+01	5,25E+00	7,24E+01
Eff. Dosis	2,2E-07	1,6E-07	8,2E-08	3,8E-08	1,6E-09	1,9E-08
Gebärmutter	2,48E-09	2,2E-09	1,9E-09	1,4E-09	1,9E-09	5,8E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-110m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	2,81E-01	4,60E-01	7,18E-01	6,73E-01
2	5,21E-01	7,95E-01	1,20E+00	1,11E+00	5,21E-01	7,91E-01	1,19E+00	1,10E+00
3	7,20E-01	1,01E+00	1,45E+00	1,33E+00	7,21E-01	9,99E-01	1,42E+00	1,30E+00
3,5	8,11E-01	1,09E+00	1,53E+00	1,39E+00	8,11E-01	1,08E+00	1,49E+00	1,35E+00
4	8,97E-01	1,17E+00	1,59E+00	1,44E+00	8,98E-01	1,14E+00	1,54E+00	1,38E+00
5	1,06E+00	1,30E+00	1,69E+00	1,51E+00	1,06E+00	1,27E+00	1,62E+00	1,43E+00
6	1,23E+00	1,43E+00	1,79E+00	1,57E+00	1,23E+00	1,39E+00	1,69E+00	1,47E+00
7	1,38E+00	1,55E+00	1,87E+00	1,63E+00	1,38E+00	1,50E+00	1,75E+00	1,50E+00
8	1,54E+00	1,67E+00	1,96E+00	1,68E+00	1,54E+00	1,61E+00	1,81E+00	1,53E+00
9	1,69E+00	1,79E+00	2,05E+00	1,74E+00	1,69E+00	1,72E+00	1,87E+00	1,56E+00
10	1,84E+00	1,90E+00	2,13E+00	1,80E+00	1,84E+00	1,83E+00	1,93E+00	1,60E+00
11	1,99E+00	2,02E+00	2,21E+00	1,85E+00	1,99E+00	1,94E+00	1,99E+00	1,63E+00
12	2,13E+00	2,13E+00	2,29E+00	1,90E+00	2,14E+00	2,04E+00	2,05E+00	1,66E+00
13	2,28E+00	2,24E+00	2,37E+00	1,95E+00	2,28E+00	2,15E+00	2,11E+00	1,69E+00
14	2,42E+00	2,35E+00	2,45E+00	2,01E+00	2,42E+00	2,25E+00	2,17E+00	1,71E+00
15	2,56E+00	2,46E+00	2,53E+00	2,06E+00	2,57E+00	2,36E+00	2,22E+00	1,74E+00
20	3,21E+00	2,97E+00	2,89E+00	2,30E+00	3,25E+00	2,86E+00	2,50E+00	1,88E+00
30	4,38E+00	3,88E+00	3,54E+00	2,73E+00	4,54E+00	3,80E+00	3,01E+00	2,14E+00
40	5,37E+00	4,65E+00	4,10E+00	3,09E+00	5,73E+00	4,66E+00	3,48E+00	2,38E+00
45	5,81E+00	4,99E+00	4,34E+00	3,25E+00	6,29E+00	5,07E+00	3,70E+00	2,49E+00
50	6,22E+00	5,31E+00	4,57E+00	3,40E+00	6,83E+00	5,46E+00	3,91E+00	2,59E+00
60	6,94E+00	5,87E+00	4,97E+00	3,67E+00	7,84E+00	6,19E+00	4,30E+00	2,79E+00
70	7,56E+00	6,35E+00	5,32E+00	3,89E+00	8,77E+00	6,87E+00	4,66E+00	2,96E+00
80	8,09E+00	6,76E+00	5,61E+00	4,09E+00	9,62E+00	7,49E+00	5,00E+00	3,12E+00
90	8,54E+00	7,11E+00	5,86E+00	4,25E+00	1,04E+01	8,06E+00	5,30E+00	3,27E+00
100	8,93E+00	7,41E+00	6,08E+00	4,39E+00	1,11E+01	8,58E+00	5,57E+00	3,40E+00
120	9,53E+00	7,88E+00	6,42E+00	4,62E+00	1,24E+01	9,50E+00	6,06E+00	3,64E+00
180	1,05E+01	8,66E+00	6,98E+00	4,98E+00	1,51E+01	1,15E+01	7,08E+00	4,12E+00
200	1,07E+01	8,80E+00	7,08E+00	5,05E+00	1,57E+01	1,19E+01	7,31E+00	4,23E+00
300	1,11E+01	9,08E+00	7,28E+00	5,18E+00	1,76E+01	1,33E+01	8,02E+00	4,56E+00
360	1,11E+01	9,13E+00	7,32E+00	5,20E+00	1,82E+01	1,37E+01	8,22E+00	4,65E+00
365	1,12E+01	9,13E+00	7,32E+00	5,21E+00	1,82E+01	1,37E+01	8,23E+00	4,66E+00
400	1,12E+01	9,14E+00	7,33E+00	5,21E+00	1,84E+01	1,38E+01	8,30E+00	4,69E+00
500	1,12E+01	9,16E+00	7,33E+00	5,22E+00	1,87E+01	1,41E+01	8,42E+00	4,74E+00
600	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,89E+01	1,42E+01	8,47E+00	4,77E+00
700	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,89E+01	1,42E+01	8,49E+00	4,78E+00
800	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,89E+01	1,42E+01	8,49E+00	4,78E+00
900	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
1000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
2000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
3000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
4000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
5000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
6000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
8000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
10000	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
13500	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
14600	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
18250	1,12E+01	9,16E+00	7,34E+00	5,22E+00	1,90E+01	1,42E+01	8,50E+00	4,78E+00
Eff. Dosis	4,8E-09	4,0E-09	3,3E-09	2,4E-09	1,1E-08	8,4E-09	5,0E-09	2,8E-09
Gebärmutter	1,7E-09	1,9E-09	2,3E-09	2,0E-09	1,3E-09	1,6E-09	2,0E-09	1,8E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ag-110m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,17E-01	6,73E-01	9,42E-01	9,93E-01
2	5,21E-01	7,90E-01	1,19E+00	1,10E+00	1,49E+00	1,96E+00
3	7,21E-01	9,96E-01	1,41E+00	1,29E+00	1,71E+00	2,89E+00
3,5	8,11E-01	1,07E+00	1,48E+00	1,34E+00	1,76E+00	3,34E+00
4	8,98E-01	1,14E+00	1,53E+00	1,37E+00	1,80E+00	3,80E+00
5	1,06E+00	1,26E+00	1,60E+00	1,41E+00	1,85E+00	4,68E+00
6	1,23E+00	1,38E+00	1,66E+00	1,44E+00	1,89E+00	5,56E+00
7	1,38E+00	1,49E+00	1,72E+00	1,47E+00	1,94E+00	6,41E+00
8	1,54E+00	1,60E+00	1,78E+00	1,50E+00	1,98E+00	7,26E+00
9	1,69E+00	1,71E+00	1,83E+00	1,52E+00	2,02E+00	8,09E+00
10	1,84E+00	1,81E+00	1,89E+00	1,55E+00	2,06E+00	8,90E+00
11	1,99E+00	1,92E+00	1,94E+00	1,57E+00	2,10E+00	9,70E+00
12	2,14E+00	2,02E+00	1,99E+00	1,60E+00	2,14E+00	1,05E+01
13	2,28E+00	2,13E+00	2,05E+00	1,62E+00	2,18E+00	1,13E+01
14	2,43E+00	2,23E+00	2,10E+00	1,64E+00	2,22E+00	1,20E+01
15	2,57E+00	2,33E+00	2,15E+00	1,67E+00	2,26E+00	1,28E+01
20	3,27E+00	2,84E+00	2,40E+00	1,78E+00	2,44E+00	1,64E+01
30	4,61E+00	3,80E+00	2,89E+00	2,00E+00	2,75E+00	2,27E+01
40	5,88E+00	4,71E+00	3,35E+00	2,21E+00	3,03E+00	2,81E+01
45	6,50E+00	5,16E+00	3,58E+00	2,32E+00	3,15E+00	3,05E+01
50	7,10E+00	5,59E+00	3,79E+00	2,41E+00	3,26E+00	3,27E+01
60	8,25E+00	6,42E+00	4,21E+00	2,60E+00	3,45E+00	3,67E+01
70	9,35E+00	7,21E+00	4,61E+00	2,79E+00	3,62E+00	4,00E+01
80	1,04E+01	7,97E+00	4,99E+00	2,96E+00	3,77E+00	4,29E+01
90	1,14E+01	8,69E+00	5,36E+00	3,12E+00	3,89E+00	4,54E+01
100	1,24E+01	9,37E+00	5,70E+00	3,28E+00	4,00E+00	4,75E+01
120	1,41E+01	1,07E+01	6,35E+00	3,57E+00	4,16E+00	5,08E+01
180	1,86E+01	1,39E+01	7,97E+00	4,30E+00	4,44E+00	5,62E+01
200	1,98E+01	1,48E+01	8,42E+00	4,51E+00	4,48E+00	5,72E+01
300	2,46E+01	1,82E+01	1,02E+01	5,29E+00	4,58E+00	5,92E+01
360	2,66E+01	1,96E+01	1,09E+01	5,63E+00	4,60E+00	5,95E+01
365	2,68E+01	1,97E+01	1,09E+01	5,65E+00	4,60E+00	5,95E+01
400	2,77E+01	2,04E+01	1,13E+01	5,81E+00	4,61E+00	5,96E+01
500	2,98E+01	2,19E+01	1,21E+01	6,16E+00	4,61E+00	5,97E+01
600	3,12E+01	2,30E+01	1,26E+01	6,40E+00	4,61E+00	5,97E+01
700	3,22E+01	2,37E+01	1,29E+01	6,56E+00	4,61E+00	5,97E+01
800	3,29E+01	2,42E+01	1,32E+01	6,68E+00	4,61E+00	5,97E+01
900	3,34E+01	2,45E+01	1,34E+01	6,76E+00	4,61E+00	5,97E+01
1000	3,38E+01	2,48E+01	1,35E+01	6,82E+00	4,61E+00	5,97E+01
2000	3,47E+01	2,55E+01	1,39E+01	6,99E+00	4,61E+00	5,97E+01
3000	3,48E+01	2,55E+01	1,39E+01	6,99E+00	4,61E+00	5,97E+01
4000	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
5000	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
6000	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
8000	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
10000	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
13500	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
14600	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
18250	3,48E+01	2,55E+01	1,39E+01	7,00E+00	4,61E+00	5,97E+01
Eff. Dosis	2,3E-08	1,7E-08	9,3E-09	4,7E-09	2,3E-09	2,5E-08
Gebärmutter	8,41E-10	1,3E-09	1,8E-09	1,7E-09	2,9E-09	7,9E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cd-109								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,62E-01	7,23E-01	6,78E-01	2,81E-01	4,60E-01	7,18E-01	6,73E-01
2	5,32E-01	8,25E-01	1,25E+00	1,16E+00	5,22E-01	7,93E-01	1,19E+00	1,11E+00
3	7,57E-01	1,10E+00	1,61E+00	1,48E+00	7,24E-01	1,00E+00	1,43E+00	1,31E+00
3,5	8,64E-01	1,22E+00	1,75E+00	1,60E+00	8,16E-01	1,08E+00	1,50E+00	1,36E+00
4	9,69E-01	1,33E+00	1,88E+00	1,71E+00	9,05E-01	1,15E+00	1,55E+00	1,39E+00
5	1,18E+00	1,55E+00	2,13E+00	1,92E+00	1,08E+00	1,28E+00	1,63E+00	1,44E+00
6	1,38E+00	1,76E+00	2,37E+00	2,12E+00	1,24E+00	1,40E+00	1,71E+00	1,49E+00
7	1,59E+00	1,97E+00	2,60E+00	2,32E+00	1,41E+00	1,52E+00	1,78E+00	1,52E+00
8	1,79E+00	2,18E+00	2,84E+00	2,51E+00	1,57E+00	1,64E+00	1,84E+00	1,56E+00
9	2,00E+00	2,40E+00	3,08E+00	2,71E+00	1,73E+00	1,76E+00	1,91E+00	1,60E+00
10	2,20E+00	2,61E+00	3,31E+00	2,91E+00	1,89E+00	1,88E+00	1,98E+00	1,63E+00
11	2,40E+00	2,82E+00	3,54E+00	3,10E+00	2,05E+00	1,99E+00	2,05E+00	1,67E+00
12	2,61E+00	3,03E+00	3,78E+00	3,30E+00	2,20E+00	2,11E+00	2,11E+00	1,70E+00
13	2,81E+00	3,24E+00	4,01E+00	3,49E+00	2,36E+00	2,22E+00	2,18E+00	1,74E+00
14	3,01E+00	3,45E+00	4,25E+00	3,69E+00	2,51E+00	2,33E+00	2,24E+00	1,77E+00
15	3,21E+00	3,65E+00	4,48E+00	3,88E+00	2,67E+00	2,45E+00	2,31E+00	1,81E+00
20	4,22E+00	4,69E+00	5,64E+00	4,85E+00	3,42E+00	3,00E+00	2,63E+00	1,98E+00
30	6,21E+00	6,75E+00	7,93E+00	6,76E+00	4,90E+00	4,09E+00	3,26E+00	2,32E+00
40	8,16E+00	8,77E+00	1,02E+01	8,64E+00	6,33E+00	5,15E+00	3,86E+00	2,64E+00
45	9,13E+00	9,76E+00	1,13E+01	9,56E+00	7,03E+00	5,67E+00	4,16E+00	2,81E+00
50	1,01E+01	1,08E+01	1,24E+01	1,05E+01	7,72E+00	6,18E+00	4,46E+00	2,96E+00
60	1,20E+01	1,27E+01	1,46E+01	1,23E+01	9,07E+00	7,18E+00	5,04E+00	3,28E+00
70	1,38E+01	1,46E+01	1,67E+01	1,41E+01	1,04E+01	8,15E+00	5,60E+00	3,58E+00
80	1,57E+01	1,65E+01	1,88E+01	1,59E+01	1,17E+01	9,10E+00	6,15E+00	3,88E+00
90	1,75E+01	1,84E+01	2,09E+01	1,76E+01	1,29E+01	1,00E+01	6,69E+00	4,17E+00
100	1,92E+01	2,02E+01	2,29E+01	1,93E+01	1,42E+01	1,09E+01	7,22E+00	4,46E+00
120	2,27E+01	2,38E+01	2,69E+01	2,26E+01	1,65E+01	1,27E+01	8,23E+00	5,01E+00
180	3,24E+01	3,38E+01	3,81E+01	3,19E+01	2,30E+01	1,75E+01	1,10E+01	6,54E+00
200	3,54E+01	3,69E+01	4,16E+01	3,48E+01	2,50E+01	1,90E+01	1,19E+01	7,01E+00
300	4,91E+01	5,11E+01	5,74E+01	4,80E+01	3,38E+01	2,55E+01	1,58E+01	9,12E+00
360	5,63E+01	5,86E+01	6,57E+01	5,50E+01	3,84E+01	2,89E+01	1,78E+01	1,02E+01
365	5,69E+01	5,91E+01	6,64E+01	5,55E+01	3,88E+01	2,92E+01	1,79E+01	1,03E+01
400	6,08E+01	6,31E+01	7,08E+01	5,92E+01	4,12E+01	3,10E+01	1,90E+01	1,09E+01
500	7,07E+01	7,34E+01	8,22E+01	6,88E+01	4,74E+01	3,56E+01	2,17E+01	1,24E+01
600	7,91E+01	8,21E+01	9,20E+01	7,69E+01	5,27E+01	3,95E+01	2,40E+01	1,37E+01
700	8,63E+01	8,95E+01	1,00E+02	8,38E+01	5,72E+01	4,29E+01	2,60E+01	1,48E+01
800	9,25E+01	9,59E+01	1,07E+02	8,97E+01	6,10E+01	4,57E+01	2,77E+01	1,57E+01
900	9,77E+01	1,01E+02	1,13E+02	9,47E+01	6,43E+01	4,81E+01	2,91E+01	1,65E+01
1000	1,02E+02	1,06E+02	1,18E+02	9,90E+01	6,71E+01	5,02E+01	3,03E+01	1,71E+01
2000	1,23E+02	1,27E+02	1,42E+02	1,19E+02	7,99E+01	5,97E+01	3,59E+01	2,02E+01
3000	1,27E+02	1,32E+02	1,47E+02	1,23E+02	8,25E+01	6,17E+01	3,71E+01	2,09E+01
4000	1,28E+02	1,32E+02	1,48E+02	1,24E+02	8,31E+01	6,21E+01	3,73E+01	2,10E+01
5000	1,28E+02	1,33E+02	1,48E+02	1,24E+02	8,32E+01	6,22E+01	3,74E+01	2,10E+01
6000	1,28E+02	1,33E+02	1,48E+02	1,24E+02	8,32E+01	6,22E+01	3,74E+01	2,10E+01
8000	1,28E+02	1,33E+02	1,48E+02	1,24E+02	8,32E+01	6,22E+01	3,74E+01	2,10E+01
10000	1,28E+02	1,33E+02	1,48E+02	1,24E+02	8,32E+01	6,22E+01	3,74E+01	2,10E+01
13500	1,28E+02	1,33E+02	1,48E+02	1,24E+02	8,32E+01	6,22E+01	3,74E+01	2,10E+01
14600	1,28E+02	1,33E+02	1,48E+02	1,24E+02	8,32E+01	6,22E+01	3,74E+01	2,10E+01
18250	1,28E+02	1,33E+02	1,48E+02	1,24E+02	8,32E+01	6,22E+01	3,74E+01	2,10E+01
Eff. Dosis	4,0E-09	4,2E-09	4,7E-09	3,9E-09	4,3E-09	3,1E-09	1,9E-09	1,1E-09
Gebärmutter	1,3E-09	1,4E-09	1,5E-09	1,3E-09	7,0E-10	5,4E-10	3,5E-10	2,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cd-109						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,42E-01	9,95E-01
2	5,22E-01	7,91E-01	1,19E+00	1,10E+00	1,50E+00	1,99E+00
3	7,22E-01	9,98E-01	1,42E+00	1,30E+00	1,71E+00	2,98E+00
3,5	8,13E-01	1,07E+00	1,48E+00	1,34E+00	1,77E+00	3,47E+00
4	9,00E-01	1,14E+00	1,53E+00	1,37E+00	1,80E+00	3,96E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,86E+00	4,95E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,91E+00	5,93E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,96E+00	6,91E+00
8	1,55E+00	1,60E+00	1,78E+00	1,50E+00	2,01E+00	7,89E+00
9	1,70E+00	1,71E+00	1,84E+00	1,53E+00	2,06E+00	8,86E+00
10	1,85E+00	1,82E+00	1,89E+00	1,55E+00	2,11E+00	9,84E+00
11	2,01E+00	1,93E+00	1,95E+00	1,58E+00	2,16E+00	1,08E+01
12	2,15E+00	2,04E+00	2,00E+00	1,60E+00	2,21E+00	1,18E+01
13	2,30E+00	2,14E+00	2,06E+00	1,63E+00	2,26E+00	1,28E+01
14	2,45E+00	2,25E+00	2,11E+00	1,65E+00	2,30E+00	1,37E+01
15	2,60E+00	2,35E+00	2,16E+00	1,68E+00	2,35E+00	1,47E+01
20	3,31E+00	2,87E+00	2,43E+00	1,80E+00	2,59E+00	1,95E+01
30	4,70E+00	3,87E+00	2,93E+00	2,03E+00	3,07E+00	2,90E+01
40	6,04E+00	4,83E+00	3,42E+00	2,25E+00	3,54E+00	3,84E+01
45	6,70E+00	5,30E+00	3,66E+00	2,36E+00	3,77E+00	4,30E+01
50	7,34E+00	5,77E+00	3,89E+00	2,47E+00	4,00E+00	4,75E+01
60	8,59E+00	6,67E+00	4,35E+00	2,68E+00	4,45E+00	5,66E+01
70	9,80E+00	7,54E+00	4,79E+00	2,88E+00	4,89E+00	6,55E+01
80	1,10E+01	8,38E+00	5,22E+00	3,07E+00	5,33E+00	7,42E+01
90	1,21E+01	9,20E+00	5,64E+00	3,26E+00	5,76E+00	8,28E+01
100	1,32E+01	9,99E+00	6,04E+00	3,45E+00	6,18E+00	9,13E+01
120	1,53E+01	1,15E+01	6,80E+00	3,80E+00	7,01E+00	1,08E+02
180	2,08E+01	1,55E+01	8,82E+00	4,72E+00	9,32E+00	1,54E+02
200	2,24E+01	1,66E+01	9,41E+00	5,00E+00	1,01E+01	1,69E+02
300	2,92E+01	2,15E+01	1,19E+01	6,15E+00	1,33E+01	2,34E+02
360	3,25E+01	2,39E+01	1,31E+01	6,70E+00	1,51E+01	2,69E+02
365	3,27E+01	2,40E+01	1,32E+01	6,74E+00	1,52E+01	2,72E+02
400	3,43E+01	2,52E+01	1,38E+01	7,03E+00	1,61E+01	2,90E+02
500	3,83E+01	2,81E+01	1,53E+01	7,71E+00	1,85E+01	3,37E+02
600	4,14E+01	3,04E+01	1,65E+01	8,25E+00	2,05E+01	3,78E+02
700	4,40E+01	3,22E+01	1,74E+01	8,69E+00	2,22E+01	4,12E+02
800	4,60E+01	3,37E+01	1,82E+01	9,05E+00	2,37E+01	4,42E+02
900	4,77E+01	3,49E+01	1,88E+01	9,34E+00	2,49E+01	4,66E+02
1000	4,91E+01	3,59E+01	1,93E+01	9,59E+00	2,60E+01	4,88E+02
2000	5,54E+01	4,05E+01	2,17E+01	1,07E+01	3,09E+01	5,86E+02
3000	5,68E+01	4,14E+01	2,22E+01	1,09E+01	3,19E+01	6,07E+02
4000	5,70E+01	4,16E+01	2,23E+01	1,10E+01	3,22E+01	6,11E+02
5000	5,71E+01	4,17E+01	2,23E+01	1,10E+01	3,22E+01	6,12E+02
6000	5,71E+01	4,17E+01	2,23E+01	1,10E+01	3,22E+01	6,12E+02
8000	5,71E+01	4,17E+01	2,23E+01	1,10E+01	3,22E+01	6,12E+02
10000	5,71E+01	4,17E+01	2,23E+01	1,10E+01	3,22E+01	6,12E+02
13500	5,71E+01	4,17E+01	2,23E+01	1,10E+01	3,22E+01	6,12E+02
14600	5,71E+01	4,17E+01	2,23E+01	1,10E+01	3,22E+01	6,12E+02
18250	5,71E+01	4,17E+01	2,23E+01	1,10E+01	3,22E+01	6,12E+02
Eff. Dosis	6,1E-09	4,5E-09	2,8E-09	1,6E-09	1,0E-09	1,9E-08
Gebärmutter	5,68E-11	5,8E-11	6,2E-11	5,1E-11	3,7E-10	6,2E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cd-115m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,79E-01	4,59E-01	7,18E-01	6,73E-01	2,79E-01	4,57E-01	7,13E-01	6,69E-01
2	5,25E-01	8,14E-01	1,24E+00	1,15E+00	5,16E-01	7,83E-01	1,18E+00	1,09E+00
3	7,42E-01	1,08E+00	1,58E+00	1,45E+00	7,10E-01	9,86E-01	1,41E+00	1,29E+00
3,5	8,44E-01	1,19E+00	1,72E+00	1,57E+00	7,98E-01	1,06E+00	1,47E+00	1,34E+00
4	9,44E-01	1,30E+00	1,84E+00	1,68E+00	8,82E-01	1,13E+00	1,52E+00	1,37E+00
5	1,14E+00	1,50E+00	2,07E+00	1,87E+00	1,04E+00	1,25E+00	1,60E+00	1,42E+00
6	1,33E+00	1,70E+00	2,29E+00	2,06E+00	1,20E+00	1,36E+00	1,67E+00	1,46E+00
7	1,52E+00	1,89E+00	2,51E+00	2,24E+00	1,35E+00	1,47E+00	1,73E+00	1,49E+00
8	1,70E+00	2,09E+00	2,72E+00	2,41E+00	1,49E+00	1,58E+00	1,79E+00	1,52E+00
9	1,88E+00	2,27E+00	2,93E+00	2,59E+00	1,64E+00	1,68E+00	1,85E+00	1,55E+00
10	2,06E+00	2,46E+00	3,14E+00	2,76E+00	1,78E+00	1,78E+00	1,91E+00	1,59E+00
11	2,24E+00	2,64E+00	3,34E+00	2,93E+00	1,91E+00	1,88E+00	1,97E+00	1,62E+00
12	2,41E+00	2,82E+00	3,54E+00	3,09E+00	2,04E+00	1,98E+00	2,03E+00	1,65E+00
13	2,58E+00	2,99E+00	3,73E+00	3,26E+00	2,17E+00	2,08E+00	2,08E+00	1,68E+00
14	2,75E+00	3,17E+00	3,93E+00	3,42E+00	2,30E+00	2,17E+00	2,13E+00	1,71E+00
15	2,91E+00	3,34E+00	4,12E+00	3,58E+00	2,43E+00	2,26E+00	2,19E+00	1,73E+00
20	3,70E+00	4,15E+00	5,02E+00	4,33E+00	3,02E+00	2,70E+00	2,44E+00	1,87E+00
30	5,10E+00	5,59E+00	6,64E+00	5,68E+00	4,06E+00	3,47E+00	2,88E+00	2,11E+00
40	6,29E+00	6,83E+00	8,01E+00	6,83E+00	4,93E+00	4,11E+00	3,25E+00	2,31E+00
45	6,82E+00	7,38E+00	8,62E+00	7,34E+00	5,32E+00	4,40E+00	3,42E+00	2,40E+00
50	7,31E+00	7,89E+00	9,19E+00	7,81E+00	5,67E+00	4,66E+00	3,57E+00	2,48E+00
60	8,19E+00	8,79E+00	1,02E+01	8,65E+00	6,30E+00	5,12E+00	3,84E+00	2,62E+00
70	8,93E+00	9,56E+00	1,11E+01	9,36E+00	6,83E+00	5,51E+00	4,06E+00	2,74E+00
80	9,57E+00	1,02E+01	1,18E+01	9,98E+00	7,27E+00	5,84E+00	4,25E+00	2,85E+00
90	1,01E+01	1,08E+01	1,24E+01	1,05E+01	7,65E+00	6,12E+00	4,42E+00	2,94E+00
100	1,06E+01	1,13E+01	1,30E+01	1,09E+01	7,98E+00	6,36E+00	4,56E+00	3,01E+00
120	1,13E+01	1,20E+01	1,38E+01	1,17E+01	8,48E+00	6,74E+00	4,77E+00	3,13E+00
180	1,25E+01	1,33E+01	1,52E+01	1,28E+01	9,30E+00	7,34E+00	5,13E+00	3,32E+00
200	1,27E+01	1,35E+01	1,54E+01	1,30E+01	9,43E+00	7,44E+00	5,19E+00	3,35E+00
300	1,32E+01	1,40E+01	1,60E+01	1,35E+01	9,73E+00	7,66E+00	5,31E+00	3,42E+00
360	1,33E+01	1,40E+01	1,61E+01	1,35E+01	9,77E+00	7,69E+00	5,33E+00	3,44E+00
365	1,33E+01	1,40E+01	1,61E+01	1,35E+01	9,77E+00	7,70E+00	5,33E+00	3,44E+00
400	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,79E+00	7,70E+00	5,34E+00	3,44E+00
500	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,71E+00	5,34E+00	3,44E+00
600	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,71E+00	5,35E+00	3,44E+00
700	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
800	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
900	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
1000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
2000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
3000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
4000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
5000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
6000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
8000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
10000	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
13500	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
14600	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
18250	1,33E+01	1,41E+01	1,61E+01	1,36E+01	9,80E+00	7,72E+00	5,35E+00	3,44E+00
Eff. Dosis	2,6E-09	2,7E-09	3,1E-09	2,6E-09	5,5E-09	4,1E-09	2,5E-09	1,4E-09
Gebärmutter	1,1E-09	1,1E-09	1,3E-09	1,1E-09	3,6E-10	3,2E-10	2,9E-10	2,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cd-115m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,79E-01	4,57E-01	7,13E-01	6,68E-01	9,36E-01	9,89E-01
2	5,15E-01	7,82E-01	1,17E+00	1,09E+00	1,48E+00	1,96E+00
3	7,08E-01	9,81E-01	1,40E+00	1,28E+00	1,69E+00	2,91E+00
3,5	7,95E-01	1,05E+00	1,46E+00	1,32E+00	1,74E+00	3,39E+00
4	8,78E-01	1,12E+00	1,50E+00	1,35E+00	1,78E+00	3,85E+00
5	1,04E+00	1,23E+00	1,57E+00	1,39E+00	1,83E+00	4,78E+00
6	1,19E+00	1,34E+00	1,63E+00	1,42E+00	1,88E+00	5,68E+00
7	1,33E+00	1,44E+00	1,68E+00	1,44E+00	1,92E+00	6,58E+00
8	1,47E+00	1,54E+00	1,73E+00	1,47E+00	1,97E+00	7,46E+00
9	1,61E+00	1,64E+00	1,78E+00	1,49E+00	2,01E+00	8,33E+00
10	1,74E+00	1,74E+00	1,83E+00	1,51E+00	2,05E+00	9,18E+00
11	1,87E+00	1,83E+00	1,88E+00	1,53E+00	2,10E+00	1,00E+01
12	2,00E+00	1,92E+00	1,93E+00	1,56E+00	2,14E+00	1,09E+01
13	2,13E+00	2,01E+00	1,97E+00	1,58E+00	2,18E+00	1,17E+01
14	2,25E+00	2,10E+00	2,02E+00	1,60E+00	2,22E+00	1,25E+01
15	2,37E+00	2,18E+00	2,06E+00	1,62E+00	2,26E+00	1,33E+01
20	2,93E+00	2,58E+00	2,26E+00	1,71E+00	2,44E+00	1,70E+01
30	3,91E+00	3,29E+00	2,62E+00	1,87E+00	2,78E+00	2,37E+01
40	4,73E+00	3,88E+00	2,92E+00	2,01E+00	3,07E+00	2,94E+01
45	5,09E+00	4,14E+00	3,05E+00	2,07E+00	3,19E+00	3,20E+01
50	5,41E+00	4,37E+00	3,17E+00	2,13E+00	3,31E+00	3,43E+01
60	5,99E+00	4,79E+00	3,38E+00	2,22E+00	3,52E+00	3,85E+01
70	6,48E+00	5,14E+00	3,56E+00	2,30E+00	3,70E+00	4,20E+01
80	6,89E+00	5,43E+00	3,71E+00	2,37E+00	3,85E+00	4,51E+01
90	7,23E+00	5,68E+00	3,84E+00	2,43E+00	3,98E+00	4,77E+01
100	7,52E+00	5,89E+00	3,94E+00	2,48E+00	4,09E+00	4,99E+01
120	7,96E+00	6,21E+00	4,10E+00	2,55E+00	4,27E+00	5,34E+01
180	8,66E+00	6,71E+00	4,36E+00	2,67E+00	4,56E+00	5,93E+01
200	8,77E+00	6,79E+00	4,40E+00	2,69E+00	4,61E+00	6,03E+01
300	9,00E+00	6,96E+00	4,48E+00	2,73E+00	4,71E+00	6,24E+01
360	9,03E+00	6,98E+00	4,50E+00	2,73E+00	4,73E+00	6,28E+01
365	9,03E+00	6,98E+00	4,50E+00	2,73E+00	4,73E+00	6,28E+01
400	9,04E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,29E+01
500	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
600	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
700	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
800	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
900	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
1000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
2000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
3000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
4000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
5000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
6000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
8000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
10000	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
13500	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
14600	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
18250	9,05E+00	6,99E+00	4,50E+00	2,73E+00	4,74E+00	6,30E+01
Eff. Dosis	7,4E-09	5,4E-09	3,1E-09	1,6E-09	9,9E-10	1,2E-08
Gebärmutter	4,11E-11	7,6E-11	1,3E-10	1,2E-10	4,3E-10	5,1E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

In-111								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,50E-01	4,12E-01	6,44E-01	6,04E-01	2,50E-01	4,10E-01	6,40E-01	6,00E-01
2	4,25E-01	6,63E-01	1,01E+00	9,41E-01	4,18E-01	6,42E-01	9,71E-01	9,03E-01
3	5,46E-01	8,09E-01	1,20E+00	1,11E+00	5,27E-01	7,56E-01	1,10E+00	1,01E+00
3,5	5,93E-01	8,60E-01	1,26E+00	1,16E+00	5,68E-01	7,91E-01	1,13E+00	1,03E+00
4	6,34E-01	9,03E-01	1,31E+00	1,20E+00	6,03E-01	8,19E-01	1,15E+00	1,05E+00
5	7,01E-01	9,71E-01	1,38E+00	1,26E+00	6,60E-01	8,61E-01	1,18E+00	1,06E+00
6	7,53E-01	1,02E+00	1,44E+00	1,31E+00	7,03E-01	8,92E-01	1,19E+00	1,07E+00
7	7,93E-01	1,06E+00	1,48E+00	1,34E+00	7,36E-01	9,15E-01	1,21E+00	1,08E+00
8	8,24E-01	1,09E+00	1,51E+00	1,37E+00	7,61E-01	9,33E-01	1,22E+00	1,08E+00
9	8,49E-01	1,12E+00	1,54E+00	1,39E+00	7,81E-01	9,47E-01	1,22E+00	1,09E+00
10	8,68E-01	1,14E+00	1,56E+00	1,41E+00	7,96E-01	9,58E-01	1,23E+00	1,09E+00
11	8,82E-01	1,15E+00	1,58E+00	1,42E+00	8,08E-01	9,67E-01	1,23E+00	1,09E+00
12	8,94E-01	1,16E+00	1,59E+00	1,43E+00	8,17E-01	9,73E-01	1,24E+00	1,09E+00
13	9,03E-01	1,17E+00	1,60E+00	1,44E+00	8,24E-01	9,79E-01	1,24E+00	1,10E+00
14	9,10E-01	1,18E+00	1,60E+00	1,44E+00	8,30E-01	9,83E-01	1,24E+00	1,10E+00
15	9,16E-01	1,19E+00	1,61E+00	1,45E+00	8,34E-01	9,86E-01	1,24E+00	1,10E+00
20	9,29E-01	1,20E+00	1,63E+00	1,46E+00	8,45E-01	9,93E-01	1,25E+00	1,10E+00
30	9,35E-01	1,20E+00	1,63E+00	1,46E+00	8,49E-01	9,96E-01	1,25E+00	1,10E+00
40	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
45	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
50	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
60	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
70	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
80	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
90	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
100	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
120	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
180	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
200	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
300	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
360	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
365	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
400	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
500	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
600	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
700	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
800	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
900	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
1000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
2000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
3000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
4000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
5000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
6000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
8000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
10000	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
13500	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
14600	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
18250	9,35E-01	1,20E+00	1,63E+00	1,47E+00	8,49E-01	9,97E-01	1,25E+00	1,10E+00
Eff. Dosis	6,2E-11	8,7E-11	1,3E-10	1,1E-10	1,3E-10	1,3E-10	1,4E-10	1,2E-10
Gebärmutter	5,4E-11	1,1E-10	1,8E-10	1,7E-10	3,9E-11	1,0E-10	1,9E-10	1,9E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

In-111						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,50E-01	4,10E-01	6,40E-01	6,00E-01	8,38E-01	8,86E-01
2	4,17E-01	6,41E-01	9,70E-01	9,01E-01	1,22E+00	1,58E+00
3	5,26E-01	7,54E-01	1,10E+00	1,01E+00	1,32E+00	2,11E+00
3,5	5,67E-01	7,89E-01	1,13E+00	1,03E+00	1,33E+00	2,33E+00
4	6,02E-01	8,16E-01	1,14E+00	1,04E+00	1,34E+00	2,53E+00
5	6,57E-01	8,56E-01	1,17E+00	1,06E+00	1,34E+00	2,85E+00
6	7,00E-01	8,86E-01	1,18E+00	1,06E+00	1,35E+00	3,10E+00
7	7,32E-01	9,09E-01	1,20E+00	1,07E+00	1,35E+00	3,29E+00
8	7,57E-01	9,27E-01	1,21E+00	1,07E+00	1,35E+00	3,45E+00
9	7,76E-01	9,40E-01	1,21E+00	1,08E+00	1,35E+00	3,57E+00
10	7,91E-01	9,51E-01	1,22E+00	1,08E+00	1,35E+00	3,66E+00
11	8,02E-01	9,59E-01	1,22E+00	1,08E+00	1,35E+00	3,73E+00
12	8,11E-01	9,65E-01	1,23E+00	1,08E+00	1,35E+00	3,79E+00
13	8,18E-01	9,70E-01	1,23E+00	1,08E+00	1,35E+00	3,83E+00
14	8,23E-01	9,74E-01	1,23E+00	1,08E+00	1,35E+00	3,86E+00
15	8,27E-01	9,77E-01	1,23E+00	1,09E+00	1,35E+00	3,89E+00
20	8,38E-01	9,85E-01	1,24E+00	1,09E+00	1,35E+00	3,96E+00
30	8,42E-01	9,87E-01	1,24E+00	1,09E+00	1,35E+00	3,98E+00
40	8,42E-01	9,87E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
45	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
50	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
60	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
70	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
80	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
90	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
100	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
120	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
180	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
200	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
300	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
360	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
365	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
400	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
500	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
600	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
700	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
800	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
900	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
1000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
2000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
3000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
4000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
5000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
6000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
8000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
10000	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
13500	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
14600	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
18250	8,42E-01	9,88E-01	1,24E+00	1,09E+00	1,35E+00	3,99E+00
Eff. Dosis	1,5E-10	1,4E-10	1,5E-10	1,2E-10	1,5E-10	2,4E-10
Gebärmutter	3,51E-11	1,0E-10	1,9E-10	1,9E-10	3,3E-10	1,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

In-113m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,01E-02	1,73E-02	2,77E-02	2,62E-02	1,01E-02	1,73E-02	2,77E-02	2,61E-02
0,08333	1,67E-02	2,86E-02	4,57E-02	4,31E-02	1,67E-02	2,86E-02	4,57E-02	4,31E-02
0,125	2,10E-02	3,60E-02	5,74E-02	5,41E-02	2,10E-02	3,60E-02	5,74E-02	5,41E-02
0,1667	2,38E-02	4,08E-02	6,50E-02	6,13E-02	2,38E-02	4,07E-02	6,50E-02	6,13E-02
0,2083	2,56E-02	4,39E-02	6,99E-02	6,59E-02	2,56E-02	4,39E-02	6,99E-02	6,59E-02
0,25	2,69E-02	4,59E-02	7,32E-02	6,90E-02	2,68E-02	4,59E-02	7,31E-02	6,89E-02
0,2917	2,76E-02	4,72E-02	7,53E-02	7,09E-02	2,76E-02	4,72E-02	7,52E-02	7,09E-02
0,3333	2,82E-02	4,81E-02	7,66E-02	7,22E-02	2,82E-02	4,81E-02	7,66E-02	7,22E-02
0,375	2,85E-02	4,87E-02	7,75E-02	7,31E-02	2,85E-02	4,87E-02	7,75E-02	7,30E-02
0,4167	2,87E-02	4,91E-02	7,81E-02	7,36E-02	2,87E-02	4,90E-02	7,81E-02	7,36E-02
0,4583	2,89E-02	4,93E-02	7,85E-02	7,40E-02	2,89E-02	4,93E-02	7,84E-02	7,39E-02
0,5	2,90E-02	4,95E-02	7,87E-02	7,42E-02	2,90E-02	4,94E-02	7,87E-02	7,42E-02
0,5417	2,90E-02	4,96E-02	7,89E-02	7,44E-02	2,90E-02	4,95E-02	7,89E-02	7,43E-02
0,5833	2,91E-02	4,96E-02	7,90E-02	7,44E-02	2,91E-02	4,96E-02	7,90E-02	7,44E-02
0,625	2,91E-02	4,97E-02	7,91E-02	7,45E-02	2,91E-02	4,96E-02	7,90E-02	7,45E-02
0,6667	2,91E-02	4,97E-02	7,91E-02	7,46E-02	2,91E-02	4,97E-02	7,91E-02	7,45E-02
0,7083	2,91E-02	4,97E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,91E-02	7,45E-02
0,75	2,91E-02	4,97E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,91E-02	7,46E-02
0,7917	2,92E-02	4,97E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,91E-02	7,46E-02
0,8333	2,92E-02	4,97E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,91E-02	7,46E-02
0,875	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,91E-02	7,46E-02
0,9167	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
0,9583	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,083	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,167	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,25	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,333	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,417	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,5	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,667	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
1,833	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
2	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
3	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
4	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
5	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
6	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
7	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
8	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
9	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
10	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
11	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
12	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
13	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
14	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
15	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
16	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
17	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
18	2,92E-02	4,98E-02	7,92E-02	7,46E-02	2,91E-02	4,97E-02	7,92E-02	7,46E-02
Eff. Dosis	5,2E-12	8,7E-12	1,3E-11	1,2E-11	9,7E-12	1,4E-11	2,0E-11	1,7E-11
Gebärmutter	5,5E-13	1,1E-12	1,8E-12	1,7E-12	3,3E-13	1,0E-12	1,9E-12	1,9E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

In-113m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,01E-02	1,73E-02	2,77E-02	2,61E-02	3,40E-02	3,40E-02
0,08333	1,67E-02	2,86E-02	4,57E-02	4,31E-02	5,64E-02	5,64E-02
0,125	2,10E-02	3,60E-02	5,74E-02	5,41E-02	7,11E-02	7,12E-02
0,1667	2,38E-02	4,07E-02	6,50E-02	6,13E-02	8,08E-02	8,09E-02
0,2083	2,56E-02	4,39E-02	6,99E-02	6,59E-02	8,72E-02	8,72E-02
0,25	2,68E-02	4,59E-02	7,31E-02	6,89E-02	9,14E-02	9,14E-02
0,2917	2,76E-02	4,72E-02	7,52E-02	7,09E-02	9,41E-02	9,42E-02
0,3333	2,82E-02	4,81E-02	7,66E-02	7,22E-02	9,60E-02	9,60E-02
0,375	2,85E-02	4,87E-02	7,75E-02	7,30E-02	9,71E-02	9,72E-02
0,4167	2,87E-02	4,90E-02	7,81E-02	7,36E-02	9,79E-02	9,80E-02
0,4583	2,89E-02	4,93E-02	7,84E-02	7,39E-02	9,84E-02	9,85E-02
0,5	2,90E-02	4,94E-02	7,87E-02	7,42E-02	9,88E-02	9,88E-02
0,5417	2,90E-02	4,95E-02	7,89E-02	7,43E-02	9,90E-02	9,91E-02
0,5833	2,91E-02	4,96E-02	7,90E-02	7,44E-02	9,91E-02	9,92E-02
0,625	2,91E-02	4,96E-02	7,90E-02	7,45E-02	9,92E-02	9,93E-02
0,6667	2,91E-02	4,97E-02	7,91E-02	7,45E-02	9,93E-02	9,94E-02
0,7083	2,91E-02	4,97E-02	7,91E-02	7,45E-02	9,93E-02	9,94E-02
0,75	2,91E-02	4,97E-02	7,91E-02	7,46E-02	9,93E-02	9,94E-02
0,7917	2,91E-02	4,97E-02	7,91E-02	7,46E-02	9,94E-02	9,95E-02
0,8333	2,91E-02	4,97E-02	7,91E-02	7,46E-02	9,94E-02	9,95E-02
0,875	2,91E-02	4,97E-02	7,91E-02	7,46E-02	9,94E-02	9,95E-02
0,9167	2,91E-02	4,97E-02	7,91E-02	7,46E-02	9,94E-02	9,95E-02
0,9583	2,91E-02	4,97E-02	7,91E-02	7,46E-02	9,94E-02	9,95E-02
1	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,083	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,167	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,25	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,333	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,417	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,5	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,667	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
1,833	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
2	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
3	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
4	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
5	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
6	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
7	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
8	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
9	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
10	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
11	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
12	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
13	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
14	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
15	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
16	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
17	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
18	2,91E-02	4,97E-02	7,92E-02	7,46E-02	9,94E-02	9,95E-02
Eff. Dosis	1,0E-11	1,4E-11	2,0E-11	1,7E-11	2,3E-11	9,9E-12
Gebärmutter	3,1E-13	9,9E-13	1,9E-12	1,9E-12	6,4E-12	2,2E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sn-113								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,31E-01	4,15E-01	6,75E-01	6,40E-01	2,74E-01	4,54E-01	7,13E-01	6,70E-01
2	4,02E-01	6,96E-01	1,12E+00	1,05E+00	5,01E-01	7,75E-01	1,18E+00	1,09E+00
3	5,40E-01	8,79E-01	1,37E+00	1,28E+00	6,85E-01	9,70E-01	1,40E+00	1,28E+00
3,5	6,03E-01	9,51E-01	1,46E+00	1,36E+00	7,67E-01	1,04E+00	1,46E+00	1,33E+00
4	6,62E-01	1,02E+00	1,53E+00	1,42E+00	8,46E-01	1,10E+00	1,51E+00	1,36E+00
5	7,77E-01	1,14E+00	1,67E+00	1,54E+00	9,97E-01	1,22E+00	1,58E+00	1,40E+00
6	8,88E-01	1,25E+00	1,79E+00	1,64E+00	1,14E+00	1,32E+00	1,64E+00	1,43E+00
7	9,97E-01	1,36E+00	1,91E+00	1,74E+00	1,28E+00	1,42E+00	1,69E+00	1,46E+00
8	1,10E+00	1,47E+00	2,03E+00	1,83E+00	1,42E+00	1,52E+00	1,74E+00	1,49E+00
9	1,21E+00	1,57E+00	2,14E+00	1,93E+00	1,56E+00	1,62E+00	1,80E+00	1,51E+00
10	1,31E+00	1,68E+00	2,26E+00	2,02E+00	1,69E+00	1,71E+00	1,85E+00	1,54E+00
11	1,41E+00	1,78E+00	2,37E+00	2,11E+00	1,82E+00	1,81E+00	1,90E+00	1,56E+00
12	1,51E+00	1,88E+00	2,48E+00	2,20E+00	1,95E+00	1,90E+00	1,95E+00	1,59E+00
13	1,61E+00	1,98E+00	2,58E+00	2,29E+00	2,08E+00	1,99E+00	2,00E+00	1,61E+00
14	1,71E+00	2,08E+00	2,69E+00	2,38E+00	2,20E+00	2,08E+00	2,04E+00	1,64E+00
15	1,80E+00	2,17E+00	2,80E+00	2,47E+00	2,33E+00	2,17E+00	2,09E+00	1,66E+00
20	2,26E+00	2,63E+00	3,30E+00	2,88E+00	2,92E+00	2,60E+00	2,32E+00	1,77E+00
30	3,09E+00	3,48E+00	4,21E+00	3,64E+00	4,00E+00	3,39E+00	2,74E+00	1,97E+00
40	3,85E+00	4,24E+00	5,04E+00	4,32E+00	4,98E+00	4,10E+00	3,12E+00	2,16E+00
45	4,20E+00	4,59E+00	5,43E+00	4,64E+00	5,44E+00	4,42E+00	3,29E+00	2,24E+00
50	4,54E+00	4,93E+00	5,80E+00	4,94E+00	5,87E+00	4,74E+00	3,46E+00	2,32E+00
60	5,17E+00	5,57E+00	6,49E+00	5,51E+00	6,67E+00	5,31E+00	3,77E+00	2,47E+00
70	5,75E+00	6,15E+00	7,12E+00	6,04E+00	7,39E+00	5,84E+00	4,05E+00	2,61E+00
80	6,28E+00	6,69E+00	7,71E+00	6,52E+00	8,04E+00	6,31E+00	4,30E+00	2,73E+00
90	6,77E+00	7,19E+00	8,25E+00	6,96E+00	8,64E+00	6,74E+00	4,53E+00	2,85E+00
100	7,23E+00	7,65E+00	8,74E+00	7,37E+00	9,18E+00	7,14E+00	4,74E+00	2,95E+00
120	8,03E+00	8,46E+00	9,63E+00	8,10E+00	1,01E+01	7,81E+00	5,10E+00	3,13E+00
180	9,80E+00	1,02E+01	1,16E+01	9,70E+00	1,21E+01	9,22E+00	5,86E+00	3,50E+00
200	1,02E+01	1,07E+01	1,20E+01	1,01E+01	1,25E+01	9,54E+00	6,03E+00	3,59E+00
300	1,16E+01	1,20E+01	1,35E+01	1,13E+01	1,38E+01	1,05E+01	6,56E+00	3,85E+00
360	1,20E+01	1,25E+01	1,40E+01	1,17E+01	1,42E+01	1,08E+01	6,71E+00	3,93E+00
365	1,20E+01	1,25E+01	1,40E+01	1,17E+01	1,42E+01	1,08E+01	6,72E+00	3,93E+00
400	1,22E+01	1,27E+01	1,42E+01	1,19E+01	1,44E+01	1,09E+01	6,78E+00	3,96E+00
500	1,25E+01	1,29E+01	1,45E+01	1,21E+01	1,46E+01	1,11E+01	6,88E+00	4,01E+00
600	1,26E+01	1,31E+01	1,46E+01	1,22E+01	1,47E+01	1,12E+01	6,92E+00	4,03E+00
700	1,26E+01	1,31E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,94E+00	4,04E+00
800	1,27E+01	1,31E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
900	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
1000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
2000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
3000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
4000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
5000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
6000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
8000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
10000	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
13500	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
14600	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
18250	1,27E+01	1,32E+01	1,47E+01	1,23E+01	1,48E+01	1,12E+01	6,95E+00	4,05E+00
Eff. Dosis	7,2E-10	7,6E-10	8,6E-10	7,3E-10	2,6E-09	1,9E-09	1,1E-09	6,1E-10
Gebärmutter	5,2E-10	5,8E-10	7,0E-10	6,0E-10	2,6E-10	2,7E-10	3,1E-10	2,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sn-113						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,59E-01	7,16E-01	6,71E-01	9,35E-01	7,34E-01
2	5,19E-01	7,87E-01	1,18E+00	1,10E+00	1,47E+00	1,34E+00
3	7,16E-01	9,91E-01	1,41E+00	1,29E+00	1,65E+00	1,92E+00
3,5	8,05E-01	1,07E+00	1,47E+00	1,34E+00	1,69E+00	2,20E+00
4	8,90E-01	1,13E+00	1,52E+00	1,37E+00	1,71E+00	2,48E+00
5	1,05E+00	1,25E+00	1,59E+00	1,41E+00	1,73E+00	3,02E+00
6	1,21E+00	1,36E+00	1,65E+00	1,44E+00	1,74E+00	3,56E+00
7	1,37E+00	1,47E+00	1,71E+00	1,46E+00	1,75E+00	4,08E+00
8	1,52E+00	1,58E+00	1,76E+00	1,49E+00	1,76E+00	4,60E+00
9	1,66E+00	1,68E+00	1,82E+00	1,51E+00	1,77E+00	5,10E+00
10	1,81E+00	1,79E+00	1,87E+00	1,54E+00	1,78E+00	5,60E+00
11	1,95E+00	1,89E+00	1,92E+00	1,56E+00	1,79E+00	6,09E+00
12	2,09E+00	1,99E+00	1,97E+00	1,58E+00	1,80E+00	6,57E+00
13	2,23E+00	2,09E+00	2,02E+00	1,61E+00	1,81E+00	7,04E+00
14	2,37E+00	2,19E+00	2,07E+00	1,63E+00	1,82E+00	7,51E+00
15	2,51E+00	2,29E+00	2,12E+00	1,65E+00	1,83E+00	7,97E+00
20	3,16E+00	2,76E+00	2,36E+00	1,76E+00	1,87E+00	1,02E+01
30	4,40E+00	3,64E+00	2,81E+00	1,96E+00	1,95E+00	1,42E+01
40	5,53E+00	4,46E+00	3,22E+00	2,15E+00	2,03E+00	1,79E+01
45	6,06E+00	4,84E+00	3,41E+00	2,23E+00	2,06E+00	1,96E+01
50	6,57E+00	5,21E+00	3,60E+00	2,32E+00	2,09E+00	2,12E+01
60	7,54E+00	5,90E+00	3,95E+00	2,48E+00	2,15E+00	2,42E+01
70	8,43E+00	6,54E+00	4,27E+00	2,62E+00	2,21E+00	2,70E+01
80	9,25E+00	7,14E+00	4,57E+00	2,76E+00	2,26E+00	2,96E+01
90	1,00E+01	7,68E+00	4,84E+00	2,88E+00	2,31E+00	3,20E+01
100	1,07E+01	8,19E+00	5,10E+00	3,00E+00	2,35E+00	3,42E+01
120	1,20E+01	9,09E+00	5,55E+00	3,21E+00	2,43E+00	3,81E+01
180	1,47E+01	1,11E+01	6,56E+00	3,66E+00	2,60E+00	4,66E+01
200	1,54E+01	1,16E+01	6,80E+00	3,77E+00	2,64E+00	4,86E+01
300	1,76E+01	1,31E+01	7,59E+00	4,13E+00	2,77E+00	5,52E+01
360	1,83E+01	1,36E+01	7,85E+00	4,25E+00	2,81E+00	5,72E+01
365	1,83E+01	1,37E+01	7,86E+00	4,25E+00	2,82E+00	5,73E+01
400	1,86E+01	1,39E+01	7,96E+00	4,30E+00	2,83E+00	5,81E+01
500	1,91E+01	1,42E+01	8,15E+00	4,38E+00	2,86E+00	5,95E+01
600	1,93E+01	1,44E+01	8,24E+00	4,43E+00	2,87E+00	6,01E+01
700	1,95E+01	1,45E+01	8,28E+00	4,45E+00	2,88E+00	6,03E+01
800	1,95E+01	1,45E+01	8,30E+00	4,46E+00	2,88E+00	6,05E+01
900	1,96E+01	1,46E+01	8,32E+00	4,46E+00	2,88E+00	6,05E+01
1000	1,96E+01	1,46E+01	8,32E+00	4,47E+00	2,88E+00	6,06E+01
2000	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
3000	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
4000	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
5000	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
6000	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
8000	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
10000	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
13500	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
14600	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
18250	1,96E+01	1,46E+01	8,33E+00	4,47E+00	2,88E+00	6,06E+01
Eff. Dosis	4,6E-09	3,4E-09	1,9E-09	9,6E-10	2,4E-10	3,4E-09
Gebärmutter	7,44E-11	1,4E-10	2,3E-10	2,2E-10	3,8E-10	2,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sn-117m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,26E-01	4,06E-01	6,61E-01	6,27E-01	2,69E-01	4,45E-01	6,98E-01	6,56E-01
2	3,87E-01	6,70E-01	1,07E+00	1,01E+00	4,81E-01	7,45E-01	1,13E+00	1,05E+00
3	5,10E-01	8,34E-01	1,30E+00	1,22E+00	6,45E-01	9,20E-01	1,33E+00	1,22E+00
3,5	5,64E-01	8,96E-01	1,38E+00	1,29E+00	7,17E-01	9,82E-01	1,39E+00	1,27E+00
4	6,15E-01	9,51E-01	1,44E+00	1,34E+00	7,84E-01	1,03E+00	1,43E+00	1,29E+00
5	7,09E-01	1,05E+00	1,55E+00	1,43E+00	9,07E-01	1,13E+00	1,48E+00	1,33E+00
6	7,96E-01	1,14E+00	1,65E+00	1,51E+00	1,02E+00	1,21E+00	1,53E+00	1,35E+00
7	8,77E-01	1,22E+00	1,74E+00	1,59E+00	1,13E+00	1,28E+00	1,57E+00	1,37E+00
8	9,54E-01	1,30E+00	1,82E+00	1,66E+00	1,23E+00	1,36E+00	1,61E+00	1,39E+00
9	1,03E+00	1,37E+00	1,90E+00	1,72E+00	1,32E+00	1,42E+00	1,64E+00	1,41E+00
10	1,09E+00	1,44E+00	1,98E+00	1,78E+00	1,41E+00	1,48E+00	1,68E+00	1,42E+00
11	1,16E+00	1,50E+00	2,05E+00	1,84E+00	1,49E+00	1,54E+00	1,71E+00	1,44E+00
12	1,22E+00	1,56E+00	2,11E+00	1,89E+00	1,57E+00	1,60E+00	1,74E+00	1,45E+00
13	1,27E+00	1,62E+00	2,17E+00	1,95E+00	1,64E+00	1,65E+00	1,77E+00	1,47E+00
14	1,33E+00	1,67E+00	2,23E+00	1,99E+00	1,71E+00	1,70E+00	1,79E+00	1,48E+00
15	1,38E+00	1,72E+00	2,29E+00	2,04E+00	1,77E+00	1,75E+00	1,82E+00	1,49E+00
20	1,59E+00	1,94E+00	2,52E+00	2,23E+00	2,04E+00	1,95E+00	1,92E+00	1,54E+00
30	1,87E+00	2,22E+00	2,82E+00	2,48E+00	2,41E+00	2,21E+00	2,06E+00	1,61E+00
40	2,03E+00	2,38E+00	3,00E+00	2,63E+00	2,62E+00	2,36E+00	2,14E+00	1,65E+00
45	2,08E+00	2,43E+00	3,06E+00	2,68E+00	2,69E+00	2,41E+00	2,17E+00	1,66E+00
50	2,12E+00	2,48E+00	3,10E+00	2,71E+00	2,74E+00	2,45E+00	2,19E+00	1,67E+00
60	2,18E+00	2,53E+00	3,16E+00	2,76E+00	2,81E+00	2,50E+00	2,22E+00	1,69E+00
70	2,21E+00	2,56E+00	3,20E+00	2,79E+00	2,85E+00	2,53E+00	2,23E+00	1,69E+00
80	2,23E+00	2,58E+00	3,22E+00	2,81E+00	2,87E+00	2,55E+00	2,24E+00	1,70E+00
90	2,24E+00	2,60E+00	3,23E+00	2,82E+00	2,89E+00	2,56E+00	2,25E+00	1,70E+00
100	2,25E+00	2,60E+00	3,24E+00	2,83E+00	2,89E+00	2,56E+00	2,25E+00	1,70E+00
120	2,25E+00	2,61E+00	3,25E+00	2,83E+00	2,90E+00	2,57E+00	2,25E+00	1,70E+00
180	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
200	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
300	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
360	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
365	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
400	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
500	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
600	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
700	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
800	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
900	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
1000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
2000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
3000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
4000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
5000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
6000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
8000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
10000	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
13500	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
14600	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
18250	2,26E+00	2,61E+00	3,25E+00	2,84E+00	2,91E+00	2,57E+00	2,26E+00	1,71E+00
Eff. Dosis	1,1E-10	1,4E-10	1,9E-10	1,6E-10	9,4E-10	6,6E-10	4,9E-10	3,1E-10
Gebärmutter	9,7E-11	1,3E-10	1,8E-10	1,6E-10	4,2E-11	7,6E-11	1,3E-10	1,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sn-117m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,74E-01	4,49E-01	7,01E-01	6,57E-01	9,16E-01	7,20E-01
2	4,98E-01	7,57E-01	1,14E+00	1,06E+00	1,41E+00	1,29E+00
3	6,74E-01	9,39E-01	1,34E+00	1,23E+00	1,58E+00	1,80E+00
3,5	7,51E-01	1,00E+00	1,40E+00	1,27E+00	1,61E+00	2,05E+00
4	8,23E-01	1,06E+00	1,44E+00	1,30E+00	1,63E+00	2,28E+00
5	9,58E-01	1,16E+00	1,50E+00	1,33E+00	1,64E+00	2,73E+00
6	1,08E+00	1,25E+00	1,54E+00	1,35E+00	1,65E+00	3,15E+00
7	1,20E+00	1,33E+00	1,58E+00	1,37E+00	1,66E+00	3,54E+00
8	1,31E+00	1,40E+00	1,62E+00	1,39E+00	1,67E+00	3,91E+00
9	1,41E+00	1,48E+00	1,66E+00	1,41E+00	1,68E+00	4,26E+00
10	1,50E+00	1,54E+00	1,69E+00	1,42E+00	1,68E+00	4,58E+00
11	1,59E+00	1,61E+00	1,73E+00	1,44E+00	1,69E+00	4,89E+00
12	1,68E+00	1,67E+00	1,76E+00	1,45E+00	1,69E+00	5,18E+00
13	1,76E+00	1,73E+00	1,79E+00	1,46E+00	1,70E+00	5,45E+00
14	1,83E+00	1,78E+00	1,81E+00	1,48E+00	1,71E+00	5,71E+00
15	1,90E+00	1,83E+00	1,84E+00	1,49E+00	1,71E+00	5,95E+00
20	2,21E+00	2,05E+00	1,95E+00	1,54E+00	1,73E+00	6,96E+00
30	2,62E+00	2,34E+00	2,10E+00	1,60E+00	1,76E+00	8,31E+00
40	2,86E+00	2,52E+00	2,19E+00	1,64E+00	1,77E+00	9,09E+00
45	2,94E+00	2,58E+00	2,22E+00	1,66E+00	1,78E+00	9,35E+00
50	3,00E+00	2,62E+00	2,24E+00	1,67E+00	1,78E+00	9,54E+00
60	3,09E+00	2,68E+00	2,27E+00	1,68E+00	1,79E+00	9,81E+00
70	3,14E+00	2,72E+00	2,29E+00	1,69E+00	1,79E+00	9,97E+00
80	3,17E+00	2,74E+00	2,30E+00	1,70E+00	1,79E+00	1,01E+01
90	3,18E+00	2,75E+00	2,30E+00	1,70E+00	1,79E+00	1,01E+01
100	3,19E+00	2,76E+00	2,31E+00	1,70E+00	1,79E+00	1,02E+01
120	3,20E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
180	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
200	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
300	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
360	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
365	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
400	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
500	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
600	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
700	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
800	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
900	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
1000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
2000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
3000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
4000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
5000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
6000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
8000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
10000	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
13500	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
14600	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
18250	3,21E+00	2,77E+00	2,31E+00	1,70E+00	1,80E+00	1,02E+01
Eff. Dosis	1,2E-09	8,2E-10	5,8E-10	3,6E-10	9,3E-11	4,6E-10
Gebärmutter	2,5E-11	6,4E-11	1,2E-10	1,2E-10	2,0E-10	4,0E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sb-122

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,30E-01	3,92E-01	6,24E-01	5,87E-01	2,46E-01	4,06E-01	6,37E-01	5,97E-01
2	3,75E-01	6,14E-01	9,60E-01	8,99E-01	4,08E-01	6,33E-01	9,62E-01	8,96E-01
3	4,65E-01	7,31E-01	1,12E+00	1,04E+00	5,11E-01	7,42E-01	1,09E+00	1,00E+00
3,5	4,98E-01	7,69E-01	1,17E+00	1,08E+00	5,49E-01	7,75E-01	1,12E+00	1,02E+00
4	5,25E-01	7,98E-01	1,20E+00	1,11E+00	5,81E-01	8,00E-01	1,14E+00	1,04E+00
5	5,66E-01	8,42E-01	1,25E+00	1,16E+00	6,31E-01	8,38E-01	1,16E+00	1,05E+00
6	5,95E-01	8,73E-01	1,29E+00	1,19E+00	6,69E-01	8,65E-01	1,18E+00	1,06E+00
7	6,16E-01	8,95E-01	1,31E+00	1,21E+00	6,97E-01	8,86E-01	1,19E+00	1,07E+00
8	6,31E-01	9,11E-01	1,33E+00	1,22E+00	7,18E-01	9,01E-01	1,20E+00	1,07E+00
9	6,43E-01	9,22E-01	1,34E+00	1,23E+00	7,35E-01	9,13E-01	1,20E+00	1,07E+00
10	6,51E-01	9,31E-01	1,35E+00	1,24E+00	7,47E-01	9,22E-01	1,21E+00	1,08E+00
11	6,57E-01	9,37E-01	1,36E+00	1,25E+00	7,56E-01	9,29E-01	1,21E+00	1,08E+00
12	6,61E-01	9,42E-01	1,36E+00	1,25E+00	7,63E-01	9,34E-01	1,21E+00	1,08E+00
13	6,65E-01	9,45E-01	1,37E+00	1,25E+00	7,69E-01	9,38E-01	1,21E+00	1,08E+00
14	6,67E-01	9,48E-01	1,37E+00	1,26E+00	7,73E-01	9,41E-01	1,22E+00	1,08E+00
15	6,69E-01	9,50E-01	1,37E+00	1,26E+00	7,76E-01	9,43E-01	1,22E+00	1,08E+00
20	6,73E-01	9,54E-01	1,38E+00	1,26E+00	7,84E-01	9,49E-01	1,22E+00	1,08E+00
30	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
40	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
45	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
50	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
60	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
70	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
80	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
90	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
100	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
120	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
180	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
200	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
300	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
360	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
365	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
400	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
500	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
600	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
700	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
800	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
900	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
1000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
2000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
3000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
4000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
5000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
6000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
8000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
10000	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
13500	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
14600	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
18250	6,75E-01	9,56E-01	1,38E+00	1,26E+00	7,87E-01	9,51E-01	1,22E+00	1,08E+00
Eff. Dosis	1,9E-10	2,7E-10	3,9E-10	3,5E-10	6,3E-10	5,5E-10	5,3E-10	4,1E-10
Gebärmutter	1,2E-10	1,9E-10	2,8E-10	2,6E-10	6,0E-11	1,4E-10	2,5E-10	2,4E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sb-122						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,49E-01	4,08E-01	6,38E-01	5,98E-01	8,33E-01	7,80E-01
2	4,14E-01	6,37E-01	9,64E-01	8,96E-01	1,21E+00	1,32E+00
3	5,21E-01	7,48E-01	1,09E+00	1,00E+00	1,32E+00	1,71E+00
3,5	5,61E-01	7,82E-01	1,12E+00	1,02E+00	1,34E+00	1,85E+00
4	5,94E-01	8,08E-01	1,14E+00	1,03E+00	1,36E+00	1,98E+00
5	6,48E-01	8,47E-01	1,16E+00	1,05E+00	1,37E+00	2,17E+00
6	6,88E-01	8,76E-01	1,17E+00	1,06E+00	1,38E+00	2,31E+00
7	7,19E-01	8,97E-01	1,19E+00	1,06E+00	1,38E+00	2,41E+00
8	7,43E-01	9,14E-01	1,19E+00	1,06E+00	1,39E+00	2,48E+00
9	7,60E-01	9,27E-01	1,20E+00	1,07E+00	1,39E+00	2,54E+00
10	7,74E-01	9,36E-01	1,21E+00	1,07E+00	1,39E+00	2,57E+00
11	7,85E-01	9,44E-01	1,21E+00	1,07E+00	1,39E+00	2,60E+00
12	7,93E-01	9,50E-01	1,21E+00	1,07E+00	1,39E+00	2,63E+00
13	7,99E-01	9,54E-01	1,21E+00	1,07E+00	1,39E+00	2,64E+00
14	8,04E-01	9,58E-01	1,22E+00	1,07E+00	1,39E+00	2,65E+00
15	8,07E-01	9,60E-01	1,22E+00	1,08E+00	1,39E+00	2,66E+00
20	8,16E-01	9,67E-01	1,22E+00	1,08E+00	1,40E+00	2,68E+00
30	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
40	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
45	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
50	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
60	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
70	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
80	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
90	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
100	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
120	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
180	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
200	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
300	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
360	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
365	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
400	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
500	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
600	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
700	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
800	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
900	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
1000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
2000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
3000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
4000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
5000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
6000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
8000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
10000	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
13500	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
14600	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
18250	8,20E-01	9,69E-01	1,22E+00	1,08E+00	1,40E+00	2,69E+00
Eff. Dosis	7,4E-10	6,2E-10	5,6E-10	4,2E-10	4,5E-10	7,3E-10
Gebärmutter	4,52E-11	1,3E-10	2,5E-10	2,4E-10	4,2E-10	4,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sb-124

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,58E-01	4,39E-01	6,98E-01	6,58E-01	2,77E-01	4,56E-01	7,13E-01	6,69E-01
2	4,65E-01	7,56E-01	1,18E+00	1,10E+00	5,08E-01	7,79E-01	1,18E+00	1,09E+00
3	6,30E-01	9,68E-01	1,46E+00	1,36E+00	6,96E-01	9,76E-01	1,40E+00	1,28E+00
3,5	7,02E-01	1,05E+00	1,57E+00	1,45E+00	7,79E-01	1,05E+00	1,46E+00	1,33E+00
4	7,68E-01	1,13E+00	1,65E+00	1,53E+00	8,58E-01	1,11E+00	1,51E+00	1,36E+00
5	8,91E-01	1,26E+00	1,81E+00	1,65E+00	1,01E+00	1,22E+00	1,58E+00	1,41E+00
6	1,00E+00	1,37E+00	1,94E+00	1,76E+00	1,15E+00	1,33E+00	1,64E+00	1,44E+00
7	1,10E+00	1,48E+00	2,06E+00	1,86E+00	1,29E+00	1,43E+00	1,70E+00	1,47E+00
8	1,20E+00	1,58E+00	2,17E+00	1,95E+00	1,42E+00	1,52E+00	1,75E+00	1,49E+00
9	1,29E+00	1,67E+00	2,27E+00	2,04E+00	1,55E+00	1,61E+00	1,80E+00	1,52E+00
10	1,37E+00	1,75E+00	2,36E+00	2,12E+00	1,67E+00	1,70E+00	1,85E+00	1,54E+00
11	1,45E+00	1,83E+00	2,45E+00	2,19E+00	1,79E+00	1,79E+00	1,90E+00	1,57E+00
12	1,52E+00	1,91E+00	2,54E+00	2,27E+00	1,91E+00	1,87E+00	1,94E+00	1,59E+00
13	1,59E+00	1,98E+00	2,62E+00	2,33E+00	2,02E+00	1,96E+00	1,99E+00	1,61E+00
14	1,66E+00	2,05E+00	2,70E+00	2,40E+00	2,14E+00	2,04E+00	2,03E+00	1,63E+00
15	1,72E+00	2,12E+00	2,77E+00	2,46E+00	2,25E+00	2,12E+00	2,07E+00	1,65E+00
20	2,00E+00	2,41E+00	3,10E+00	2,73E+00	2,76E+00	2,49E+00	2,27E+00	1,75E+00
30	2,45E+00	2,87E+00	3,62E+00	3,17E+00	3,65E+00	3,14E+00	2,62E+00	1,92E+00
40	2,81E+00	3,24E+00	4,03E+00	3,51E+00	4,39E+00	3,68E+00	2,90E+00	2,06E+00
45	2,96E+00	3,40E+00	4,20E+00	3,65E+00	4,72E+00	3,91E+00	3,03E+00	2,12E+00
50	3,09E+00	3,54E+00	4,36E+00	3,78E+00	5,02E+00	4,13E+00	3,14E+00	2,17E+00
60	3,33E+00	3,78E+00	4,63E+00	4,01E+00	5,55E+00	4,51E+00	3,34E+00	2,27E+00
70	3,52E+00	3,98E+00	4,85E+00	4,19E+00	5,99E+00	4,84E+00	3,51E+00	2,35E+00
80	3,67E+00	4,14E+00	5,03E+00	4,34E+00	6,36E+00	5,10E+00	3,65E+00	2,42E+00
90	3,80E+00	4,27E+00	5,17E+00	4,46E+00	6,68E+00	5,33E+00	3,77E+00	2,48E+00
100	3,90E+00	4,37E+00	5,29E+00	4,56E+00	6,94E+00	5,52E+00	3,87E+00	2,53E+00
120	4,06E+00	4,53E+00	5,47E+00	4,71E+00	7,35E+00	5,82E+00	4,03E+00	2,60E+00
180	4,28E+00	4,76E+00	5,72E+00	4,92E+00	7,98E+00	6,28E+00	4,27E+00	2,72E+00
200	4,31E+00	4,79E+00	5,76E+00	4,95E+00	8,08E+00	6,35E+00	4,31E+00	2,73E+00
300	4,37E+00	4,86E+00	5,83E+00	5,01E+00	8,28E+00	6,50E+00	4,38E+00	2,77E+00
360	4,38E+00	4,86E+00	5,84E+00	5,02E+00	8,31E+00	6,52E+00	4,39E+00	2,77E+00
365	4,38E+00	4,86E+00	5,84E+00	5,02E+00	8,31E+00	6,52E+00	4,39E+00	2,78E+00
400	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,32E+00	6,52E+00	4,40E+00	2,78E+00
500	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
600	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
700	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
800	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
900	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
1000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
2000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
3000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
4000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
5000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
6000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
8000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
10000	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
13500	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
14600	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
18250	4,38E+00	4,87E+00	5,84E+00	5,02E+00	8,33E+00	6,53E+00	4,40E+00	2,78E+00
Eff. Dosis	1,2E-09	1,4E-09	1,8E-09	1,6E-09	6,5E-09	4,9E-09	3,0E-09	1,8E-09
Gebärmutter	1,3E-09	1,6E-09	2,1E-09	1,9E-09	6,6E-10	9,1E-10	1,3E-09	1,2E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sb-124						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,79E-01	4,58E-01	7,14E-01	6,70E-01	9,33E-01	8,76E-01
2	5,17E-01	7,84E-01	1,18E+00	1,09E+00	1,47E+00	1,66E+00
3	7,11E-01	9,85E-01	1,40E+00	1,28E+00	1,67E+00	2,36E+00
3,5	7,99E-01	1,06E+00	1,46E+00	1,33E+00	1,71E+00	2,68E+00
4	8,83E-01	1,12E+00	1,51E+00	1,36E+00	1,74E+00	2,99E+00
5	1,04E+00	1,24E+00	1,58E+00	1,40E+00	1,78E+00	3,56E+00
6	1,20E+00	1,35E+00	1,64E+00	1,43E+00	1,81E+00	4,09E+00
7	1,34E+00	1,46E+00	1,69E+00	1,45E+00	1,83E+00	4,58E+00
8	1,49E+00	1,56E+00	1,74E+00	1,47E+00	1,86E+00	5,03E+00
9	1,63E+00	1,66E+00	1,80E+00	1,50E+00	1,88E+00	5,44E+00
10	1,77E+00	1,76E+00	1,85E+00	1,52E+00	1,90E+00	5,84E+00
11	1,90E+00	1,85E+00	1,89E+00	1,54E+00	1,92E+00	6,21E+00
12	2,03E+00	1,95E+00	1,94E+00	1,57E+00	1,93E+00	6,56E+00
13	2,16E+00	2,04E+00	1,99E+00	1,59E+00	1,95E+00	6,89E+00
14	2,29E+00	2,13E+00	2,04E+00	1,61E+00	1,97E+00	7,21E+00
15	2,42E+00	2,22E+00	2,08E+00	1,63E+00	1,98E+00	7,51E+00
20	3,01E+00	2,65E+00	2,30E+00	1,73E+00	2,05E+00	8,86E+00
30	4,08E+00	3,42E+00	2,69E+00	1,90E+00	2,16E+00	1,10E+01
40	5,02E+00	4,09E+00	3,02E+00	2,06E+00	2,24E+00	1,27E+01
45	5,44E+00	4,39E+00	3,18E+00	2,12E+00	2,28E+00	1,34E+01
50	5,83E+00	4,67E+00	3,32E+00	2,19E+00	2,31E+00	1,41E+01
60	6,54E+00	5,18E+00	3,58E+00	2,31E+00	2,37E+00	1,52E+01
70	7,16E+00	5,63E+00	3,80E+00	2,41E+00	2,41E+00	1,61E+01
80	7,71E+00	6,02E+00	4,00E+00	2,50E+00	2,45E+00	1,68E+01
90	8,18E+00	6,36E+00	4,17E+00	2,57E+00	2,48E+00	1,75E+01
100	8,59E+00	6,66E+00	4,32E+00	2,64E+00	2,51E+00	1,79E+01
120	9,27E+00	7,15E+00	4,57E+00	2,75E+00	2,54E+00	1,87E+01
180	1,05E+01	8,03E+00	5,01E+00	2,95E+00	2,60E+00	1,97E+01
200	1,07E+01	8,19E+00	5,09E+00	2,99E+00	2,60E+00	1,99E+01
300	1,13E+01	8,60E+00	5,30E+00	3,09E+00	2,62E+00	2,02E+01
360	1,14E+01	8,69E+00	5,34E+00	3,11E+00	2,62E+00	2,02E+01
365	1,14E+01	8,69E+00	5,34E+00	3,11E+00	2,62E+00	2,02E+01
400	1,15E+01	8,71E+00	5,36E+00	3,11E+00	2,62E+00	2,02E+01
500	1,15E+01	8,74E+00	5,37E+00	3,12E+00	2,62E+00	2,02E+01
600	1,15E+01	8,75E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
700	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
800	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
900	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
1000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
2000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
3000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
4000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
5000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
6000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
8000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
10000	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
13500	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
14600	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
18250	1,15E+01	8,76E+00	5,38E+00	3,12E+00	2,62E+00	2,02E+01
Eff. Dosis	1,0E-08	7,4E-09	4,3E-09	2,3E-09	1,1E-09	5,6E-09
Gebärmutter	3,5E-10	6,8E-10	1,2E-09	1,1E-09	1,9E-09	5,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sb-125

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,59E-01	4,41E-01	7,02E-01	6,61E-01	2,78E-01	4,58E-01	7,17E-01	6,72E-01
2	4,70E-01	7,64E-01	1,19E+00	1,11E+00	5,13E-01	7,86E-01	1,19E+00	1,10E+00
3	6,39E-01	9,82E-01	1,48E+00	1,38E+00	7,06E-01	9,89E-01	1,42E+00	1,30E+00
3,5	7,13E-01	1,07E+00	1,59E+00	1,47E+00	7,93E-01	1,06E+00	1,48E+00	1,35E+00
4	7,83E-01	1,14E+00	1,68E+00	1,55E+00	8,75E-01	1,13E+00	1,53E+00	1,38E+00
5	9,11E-01	1,28E+00	1,84E+00	1,68E+00	1,03E+00	1,25E+00	1,61E+00	1,43E+00
6	1,03E+00	1,40E+00	1,98E+00	1,80E+00	1,18E+00	1,36E+00	1,67E+00	1,46E+00
7	1,14E+00	1,52E+00	2,11E+00	1,91E+00	1,33E+00	1,46E+00	1,73E+00	1,49E+00
8	1,24E+00	1,63E+00	2,23E+00	2,01E+00	1,47E+00	1,57E+00	1,79E+00	1,52E+00
9	1,34E+00	1,73E+00	2,34E+00	2,10E+00	1,61E+00	1,67E+00	1,84E+00	1,55E+00
10	1,43E+00	1,82E+00	2,44E+00	2,19E+00	1,75E+00	1,77E+00	1,90E+00	1,58E+00
11	1,52E+00	1,91E+00	2,54E+00	2,27E+00	1,89E+00	1,86E+00	1,95E+00	1,60E+00
12	1,60E+00	2,00E+00	2,64E+00	2,35E+00	2,02E+00	1,96E+00	2,00E+00	1,63E+00
13	1,68E+00	2,08E+00	2,73E+00	2,43E+00	2,15E+00	2,06E+00	2,05E+00	1,65E+00
14	1,76E+00	2,16E+00	2,82E+00	2,50E+00	2,28E+00	2,15E+00	2,10E+00	1,68E+00
15	1,83E+00	2,24E+00	2,91E+00	2,58E+00	2,41E+00	2,24E+00	2,15E+00	1,70E+00
20	2,17E+00	2,59E+00	3,30E+00	2,91E+00	3,03E+00	2,69E+00	2,39E+00	1,82E+00
30	2,76E+00	3,20E+00	3,98E+00	3,47E+00	4,19E+00	3,54E+00	2,84E+00	2,04E+00
40	3,28E+00	3,73E+00	4,58E+00	3,97E+00	5,28E+00	4,33E+00	3,26E+00	2,24E+00
45	3,52E+00	3,98E+00	4,86E+00	4,20E+00	5,80E+00	4,70E+00	3,46E+00	2,34E+00
50	3,75E+00	4,22E+00	5,12E+00	4,42E+00	6,30E+00	5,07E+00	3,65E+00	2,43E+00
60	4,17E+00	4,65E+00	5,61E+00	4,83E+00	7,26E+00	5,76E+00	4,02E+00	2,61E+00
70	4,55E+00	5,05E+00	6,05E+00	5,20E+00	8,15E+00	6,41E+00	4,36E+00	2,77E+00
80	4,90E+00	5,41E+00	6,45E+00	5,54E+00	8,99E+00	7,02E+00	4,68E+00	2,93E+00
90	5,22E+00	5,74E+00	6,82E+00	5,84E+00	9,78E+00	7,59E+00	4,98E+00	3,07E+00
100	5,51E+00	6,04E+00	7,16E+00	6,12E+00	1,05E+01	8,12E+00	5,26E+00	3,20E+00
120	6,01E+00	6,56E+00	7,74E+00	6,61E+00	1,19E+01	9,09E+00	5,77E+00	3,45E+00
180	7,08E+00	7,66E+00	8,97E+00	7,63E+00	1,50E+01	1,13E+01	6,94E+00	4,01E+00
200	7,33E+00	7,92E+00	9,26E+00	7,87E+00	1,57E+01	1,19E+01	7,24E+00	4,15E+00
300	8,13E+00	8,75E+00	1,02E+01	8,64E+00	1,85E+01	1,39E+01	8,27E+00	4,64E+00
360	8,41E+00	9,03E+00	1,05E+01	8,91E+00	1,95E+01	1,46E+01	8,64E+00	4,81E+00
365	8,43E+00	9,05E+00	1,05E+01	8,93E+00	1,95E+01	1,46E+01	8,66E+00	4,82E+00
400	8,55E+00	9,18E+00	1,07E+01	9,04E+00	1,99E+01	1,49E+01	8,82E+00	4,90E+00
500	8,81E+00	9,45E+00	1,10E+01	9,29E+00	2,07E+01	1,55E+01	9,12E+00	5,04E+00
600	9,00E+00	9,65E+00	1,12E+01	9,48E+00	2,12E+01	1,59E+01	9,30E+00	5,13E+00
700	9,16E+00	9,81E+00	1,14E+01	9,63E+00	2,15E+01	1,61E+01	9,41E+00	5,18E+00
800	9,29E+00	9,95E+00	1,15E+01	9,76E+00	2,17E+01	1,62E+01	9,48E+00	5,22E+00
900	9,41E+00	1,01E+01	1,17E+01	9,87E+00	2,18E+01	1,63E+01	9,54E+00	5,25E+00
1000	9,51E+00	1,02E+01	1,18E+01	9,97E+00	2,19E+01	1,64E+01	9,57E+00	5,27E+00
2000	1,01E+01	1,08E+01	1,24E+01	1,05E+01	2,23E+01	1,67E+01	9,75E+00	5,36E+00
3000	1,02E+01	1,09E+01	1,26E+01	1,07E+01	2,24E+01	1,67E+01	9,79E+00	5,39E+00
4000	1,03E+01	1,10E+01	1,27E+01	1,07E+01	2,24E+01	1,68E+01	9,81E+00	5,40E+00
5000	1,03E+01	1,10E+01	1,27E+01	1,07E+01	2,25E+01	1,68E+01	9,82E+00	5,40E+00
6000	1,03E+01	1,10E+01	1,27E+01	1,08E+01	2,25E+01	1,68E+01	9,82E+00	5,40E+00
8000	1,03E+01	1,10E+01	1,27E+01	1,08E+01	2,25E+01	1,68E+01	9,82E+00	5,40E+00
10000	1,03E+01	1,10E+01	1,27E+01	1,08E+01	2,25E+01	1,68E+01	9,82E+00	5,40E+00
13500	1,03E+01	1,10E+01	1,27E+01	1,08E+01	2,25E+01	1,68E+01	9,82E+00	5,40E+00
14600	1,03E+01	1,10E+01	1,27E+01	1,08E+01	2,25E+01	1,68E+01	9,82E+00	5,40E+00
18250	1,03E+01	1,10E+01	1,27E+01	1,08E+01	2,25E+01	1,68E+01	9,82E+00	5,40E+00
Eff. Dosis	7,9E-10	8,5E-10	1,0E-09	8,5E-10	4,5E-09	3,3E-09	2,0E-09	1,1E-09
Gebärmutter	7,1E-10	8,1E-10	1,0E-09	8,7E-10	4,9E-10	4,8E-10	4,8E-10	3,9E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Sb-125

Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,38E-01	8,81E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,48E+00	1,67E+00
3	7,22E-01	9,98E-01	1,42E+00	1,30E+00	1,69E+00	2,39E+00
3,5	8,13E-01	1,07E+00	1,48E+00	1,34E+00	1,73E+00	2,73E+00
4	9,00E-01	1,14E+00	1,53E+00	1,38E+00	1,76E+00	3,05E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,80E+00	3,65E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,83E+00	4,21E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,86E+00	4,73E+00
8	1,55E+00	1,60E+00	1,78E+00	1,50E+00	1,89E+00	5,22E+00
9	1,70E+00	1,71E+00	1,84E+00	1,53E+00	1,91E+00	5,68E+00
10	1,85E+00	1,82E+00	1,89E+00	1,55E+00	1,93E+00	6,12E+00
11	2,01E+00	1,93E+00	1,95E+00	1,58E+00	1,95E+00	6,53E+00
12	2,15E+00	2,04E+00	2,00E+00	1,60E+00	1,97E+00	6,93E+00
13	2,30E+00	2,14E+00	2,06E+00	1,63E+00	1,99E+00	7,31E+00
14	2,45E+00	2,25E+00	2,11E+00	1,65E+00	2,01E+00	7,67E+00
15	2,60E+00	2,35E+00	2,16E+00	1,67E+00	2,03E+00	8,03E+00
20	3,32E+00	2,87E+00	2,42E+00	1,79E+00	2,11E+00	9,66E+00
30	4,72E+00	3,88E+00	2,93E+00	2,02E+00	2,25E+00	1,25E+01
40	6,08E+00	4,86E+00	3,43E+00	2,25E+00	2,37E+00	1,50E+01
45	6,75E+00	5,34E+00	3,67E+00	2,36E+00	2,43E+00	1,61E+01
50	7,41E+00	5,81E+00	3,91E+00	2,46E+00	2,49E+00	1,72E+01
60	8,70E+00	6,74E+00	4,37E+00	2,68E+00	2,59E+00	1,92E+01
70	9,95E+00	7,64E+00	4,83E+00	2,88E+00	2,68E+00	2,10E+01
80	1,12E+01	8,52E+00	5,27E+00	3,08E+00	2,76E+00	2,27E+01
90	1,24E+01	9,38E+00	5,70E+00	3,28E+00	2,84E+00	2,42E+01
100	1,35E+01	1,02E+01	6,13E+00	3,47E+00	2,91E+00	2,56E+01
120	1,58E+01	1,18E+01	6,94E+00	3,83E+00	3,03E+00	2,80E+01
180	2,18E+01	1,62E+01	9,13E+00	4,83E+00	3,29E+00	3,31E+01
200	2,36E+01	1,75E+01	9,80E+00	5,13E+00	3,34E+00	3,43E+01
300	3,16E+01	2,32E+01	1,27E+01	6,45E+00	3,54E+00	3,81E+01
360	3,56E+01	2,61E+01	1,42E+01	7,11E+00	3,60E+00	3,95E+01
365	3,59E+01	2,63E+01	1,43E+01	7,16E+00	3,61E+00	3,96E+01
400	3,80E+01	2,79E+01	1,50E+01	7,51E+00	3,64E+00	4,01E+01
500	4,33E+01	3,17E+01	1,70E+01	8,39E+00	3,70E+00	4,14E+01
600	4,78E+01	3,49E+01	1,86E+01	9,14E+00	3,74E+00	4,23E+01
700	5,16E+01	3,76E+01	2,00E+01	9,78E+00	3,78E+00	4,31E+01
800	5,49E+01	4,00E+01	2,12E+01	1,03E+01	3,81E+00	4,37E+01
900	5,79E+01	4,21E+01	2,23E+01	1,08E+01	3,84E+00	4,43E+01
1000	6,05E+01	4,40E+01	2,33E+01	1,13E+01	3,87E+00	4,47E+01
2000	7,66E+01	5,57E+01	2,92E+01	1,40E+01	4,00E+00	4,74E+01
3000	8,37E+01	6,08E+01	3,18E+01	1,52E+01	4,04E+00	4,82E+01
4000	8,69E+01	6,31E+01	3,30E+01	1,58E+01	4,05E+00	4,85E+01
5000	8,84E+01	6,41E+01	3,35E+01	1,60E+01	4,06E+00	4,86E+01
6000	8,90E+01	6,46E+01	3,38E+01	1,61E+01	4,06E+00	4,86E+01
8000	8,95E+01	6,49E+01	3,39E+01	1,62E+01	4,06E+00	4,87E+01
10000	8,96E+01	6,50E+01	3,40E+01	1,62E+01	4,06E+00	4,87E+01
13500	8,96E+01	6,50E+01	3,40E+01	1,62E+01	4,06E+00	4,87E+01
14600	8,96E+01	6,50E+01	3,40E+01	1,62E+01	4,06E+00	4,87E+01
18250	8,96E+01	6,50E+01	3,40E+01	1,62E+01	4,06E+00	4,87E+01
Eff. Dosis	2,1E-08	1,5E-08	8,4E-09	4,3E-09	3,8E-10	3,7E-09
Gebärmutter	2,32E-10	2,8E-10	3,7E-10	3,2E-10	6,2E-10	3,3E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Te-123m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,35E-01	4,12E-01	6,65E-01	6,29E-01	2,75E-01	4,54E-01	7,11E-01	6,67E-01
2	3,78E-01	6,61E-01	1,06E+00	1,01E+00	4,98E-01	7,70E-01	1,17E+00	1,09E+00
3	4,78E-01	8,14E-01	1,30E+00	1,22E+00	6,76E-01	9,62E-01	1,39E+00	1,28E+00
3,5	5,20E-01	8,74E-01	1,38E+00	1,30E+00	7,55E-01	1,03E+00	1,46E+00	1,33E+00
4	5,59E-01	9,27E-01	1,46E+00	1,37E+00	8,31E-01	1,09E+00	1,50E+00	1,36E+00
5	6,33E-01	1,02E+00	1,59E+00	1,49E+00	9,74E-01	1,20E+00	1,58E+00	1,41E+00
6	7,02E-01	1,11E+00	1,71E+00	1,59E+00	1,11E+00	1,31E+00	1,64E+00	1,45E+00
7	7,67E-01	1,20E+00	1,82E+00	1,70E+00	1,25E+00	1,41E+00	1,70E+00	1,48E+00
8	8,30E-01	1,28E+00	1,93E+00	1,79E+00	1,38E+00	1,50E+00	1,76E+00	1,51E+00
9	8,89E-01	1,35E+00	2,03E+00	1,88E+00	1,50E+00	1,60E+00	1,82E+00	1,55E+00
10	9,45E-01	1,43E+00	2,13E+00	1,97E+00	1,63E+00	1,69E+00	1,87E+00	1,58E+00
11	9,99E-01	1,49E+00	2,22E+00	2,06E+00	1,75E+00	1,78E+00	1,93E+00	1,61E+00
12	1,05E+00	1,56E+00	2,31E+00	2,14E+00	1,87E+00	1,87E+00	1,98E+00	1,63E+00
13	1,10E+00	1,62E+00	2,40E+00	2,21E+00	1,99E+00	1,95E+00	2,03E+00	1,66E+00
14	1,15E+00	1,68E+00	2,48E+00	2,29E+00	2,10E+00	2,04E+00	2,08E+00	1,69E+00
15	1,19E+00	1,74E+00	2,56E+00	2,35E+00	2,21E+00	2,12E+00	2,13E+00	1,71E+00
20	1,39E+00	1,99E+00	2,90E+00	2,66E+00	2,75E+00	2,52E+00	2,35E+00	1,84E+00
30	1,67E+00	2,36E+00	3,39E+00	3,10E+00	3,72E+00	3,23E+00	2,75E+00	2,04E+00
40	1,87E+00	2,61E+00	3,73E+00	3,40E+00	4,56E+00	3,85E+00	3,09E+00	2,21E+00
45	1,94E+00	2,71E+00	3,86E+00	3,52E+00	4,94E+00	4,13E+00	3,24E+00	2,29E+00
50	2,01E+00	2,79E+00	3,97E+00	3,62E+00	5,30E+00	4,39E+00	3,38E+00	2,36E+00
60	2,11E+00	2,92E+00	4,14E+00	3,78E+00	5,94E+00	4,87E+00	3,63E+00	2,48E+00
70	2,19E+00	3,02E+00	4,28E+00	3,90E+00	6,52E+00	5,28E+00	3,85E+00	2,59E+00
80	2,25E+00	3,10E+00	4,39E+00	4,00E+00	7,02E+00	5,65E+00	4,04E+00	2,68E+00
90	2,30E+00	3,16E+00	4,48E+00	4,08E+00	7,46E+00	5,97E+00	4,21E+00	2,76E+00
100	2,34E+00	3,22E+00	4,55E+00	4,14E+00	7,86E+00	6,25E+00	4,36E+00	2,83E+00
120	2,41E+00	3,30E+00	4,66E+00	4,24E+00	8,51E+00	6,73E+00	4,61E+00	2,95E+00
180	2,52E+00	3,44E+00	4,84E+00	4,40E+00	9,72E+00	7,61E+00	5,07E+00	3,17E+00
200	2,54E+00	3,46E+00	4,88E+00	4,43E+00	9,97E+00	7,78E+00	5,16E+00	3,21E+00
300	2,58E+00	3,52E+00	4,96E+00	4,51E+00	1,06E+01	8,23E+00	5,39E+00	3,32E+00
360	2,59E+00	3,54E+00	4,98E+00	4,53E+00	1,07E+01	8,33E+00	5,44E+00	3,35E+00
365	2,60E+00	3,54E+00	4,98E+00	4,53E+00	1,07E+01	8,34E+00	5,44E+00	3,35E+00
400	2,60E+00	3,54E+00	4,99E+00	4,53E+00	1,08E+01	8,37E+00	5,46E+00	3,35E+00
500	2,61E+00	3,55E+00	5,00E+00	4,54E+00	1,08E+01	8,41E+00	5,48E+00	3,37E+00
600	2,61E+00	3,56E+00	5,01E+00	4,55E+00	1,09E+01	8,42E+00	5,49E+00	3,37E+00
700	2,61E+00	3,56E+00	5,01E+00	4,55E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
800	2,61E+00	3,56E+00	5,01E+00	4,55E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
900	2,61E+00	3,56E+00	5,01E+00	4,55E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
1000	2,61E+00	3,56E+00	5,01E+00	4,55E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
2000	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
3000	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
4000	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
5000	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
6000	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
8000	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
10000	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
13500	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
14600	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
18250	2,61E+00	3,56E+00	5,01E+00	4,56E+00	1,09E+01	8,43E+00	5,49E+00	3,37E+00
Eff. Dosis	1,7E-10	2,3E-10	3,1E-10	2,8E-10	2,1E-09	1,5E-09	9,6E-10	5,7E-10
Gebärmutter	4,9E-11	7,9E-11	1,2E-10	1,1E-10	4,1E-11	7,5E-11	1,2E-10	1,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Te-123m							
Zeit (d)	Inhalation Typ S				Gas/Dampf	Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm			
1	2,80E-01	4,59E-01	7,16E-01	6,71E-01	6,65E-01	9,01E-01	7,68E-01
2	5,19E-01	7,87E-01	1,18E+00	1,10E+00	1,06E+00	1,41E+00	1,24E+00
3	7,16E-01	9,91E-01	1,41E+00	1,29E+00	1,30E+00	1,64E+00	1,62E+00
3,5	8,05E-01	1,07E+00	1,47E+00	1,34E+00	1,38E+00	1,71E+00	1,79E+00
4	8,90E-01	1,13E+00	1,52E+00	1,37E+00	1,46E+00	1,77E+00	1,95E+00
5	1,05E+00	1,25E+00	1,59E+00	1,41E+00	1,59E+00	1,87E+00	2,26E+00
6	1,21E+00	1,36E+00	1,65E+00	1,44E+00	1,71E+00	1,96E+00	2,55E+00
7	1,37E+00	1,47E+00	1,71E+00	1,46E+00	1,82E+00	2,04E+00	2,83E+00
8	1,52E+00	1,58E+00	1,76E+00	1,49E+00	1,93E+00	2,12E+00	3,10E+00
9	1,66E+00	1,68E+00	1,82E+00	1,51E+00	2,03E+00	2,20E+00	3,35E+00
10	1,81E+00	1,79E+00	1,87E+00	1,54E+00	2,13E+00	2,27E+00	3,59E+00
11	1,95E+00	1,89E+00	1,92E+00	1,56E+00	2,22E+00	2,34E+00	3,82E+00
12	2,09E+00	1,99E+00	1,97E+00	1,59E+00	2,31E+00	2,41E+00	4,04E+00
13	2,23E+00	2,09E+00	2,02E+00	1,61E+00	2,40E+00	2,47E+00	4,25E+00
14	2,37E+00	2,19E+00	2,07E+00	1,63E+00	2,48E+00	2,53E+00	4,45E+00
15	2,50E+00	2,29E+00	2,12E+00	1,65E+00	2,56E+00	2,59E+00	4,64E+00
20	3,16E+00	2,76E+00	2,36E+00	1,76E+00	2,90E+00	2,84E+00	5,48E+00
30	4,39E+00	3,64E+00	2,81E+00	1,97E+00	3,39E+00	3,21E+00	6,70E+00
40	5,53E+00	4,46E+00	3,22E+00	2,15E+00	3,73E+00	3,46E+00	7,53E+00
45	6,06E+00	4,85E+00	3,42E+00	2,24E+00	3,86E+00	3,56E+00	7,85E+00
50	6,58E+00	5,22E+00	3,60E+00	2,33E+00	3,97E+00	3,64E+00	8,13E+00
60	7,55E+00	5,91E+00	3,96E+00	2,49E+00	4,14E+00	3,77E+00	8,56E+00
70	8,45E+00	6,56E+00	4,28E+00	2,63E+00	4,28E+00	3,87E+00	8,90E+00
80	9,28E+00	7,16E+00	4,58E+00	2,77E+00	4,39E+00	3,96E+00	9,17E+00
90	1,00E+01	7,71E+00	4,86E+00	2,89E+00	4,48E+00	4,02E+00	9,39E+00
100	1,08E+01	8,22E+00	5,12E+00	3,01E+00	4,55E+00	4,07E+00	9,57E+00
120	1,20E+01	9,13E+00	5,58E+00	3,22E+00	4,66E+00	4,16E+00	9,85E+00
180	1,48E+01	1,12E+01	6,60E+00	3,68E+00	4,84E+00	4,30E+00	1,03E+01
200	1,55E+01	1,17E+01	6,85E+00	3,80E+00	4,88E+00	4,32E+00	1,04E+01
300	1,78E+01	1,33E+01	7,67E+00	4,17E+00	4,96E+00	4,38E+00	1,06E+01
360	1,85E+01	1,38E+01	7,94E+00	4,29E+00	4,98E+00	4,40E+00	1,06E+01
365	1,86E+01	1,38E+01	7,95E+00	4,30E+00	4,98E+00	4,40E+00	1,06E+01
400	1,89E+01	1,41E+01	8,06E+00	4,35E+00	4,99E+00	4,40E+00	1,07E+01
500	1,94E+01	1,44E+01	8,26E+00	4,43E+00	5,00E+00	4,41E+00	1,07E+01
600	1,97E+01	1,46E+01	8,35E+00	4,48E+00	5,01E+00	4,42E+00	1,07E+01
700	1,98E+01	1,47E+01	8,41E+00	4,50E+00	5,01E+00	4,42E+00	1,07E+01
800	1,99E+01	1,48E+01	8,43E+00	4,51E+00	5,01E+00	4,42E+00	1,07E+01
900	1,99E+01	1,48E+01	8,45E+00	4,52E+00	5,01E+00	4,42E+00	1,07E+01
1000	1,99E+01	1,48E+01	8,45E+00	4,52E+00	5,01E+00	4,42E+00	1,07E+01
2000	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
3000	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
4000	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
5000	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
6000	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
8000	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
10000	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
13500	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
14600	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
18250	2,00E+01	1,48E+01	8,46E+00	4,53E+00	5,01E+00	4,42E+00	1,07E+01
Eff. Dosis	3,6E-09	2,6E-09	1,6E-09	9,3E-10	6,7E-10	2,6E-10	6,9E-10
Gebärmutter	3,31E-11	6,9E-11	1,2E-10	1,2E-10	1,8E-10	1,8E-10	1,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Te-132								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,13E-01	3,75E-01	6,04E-01	5,71E-01	2,49E-01	4,11E-01	6,45E-01	6,05E-01
2	3,19E-01	5,58E-01	8,98E-01	8,49E-01	4,12E-01	6,44E-01	9,82E-01	9,15E-01
3	3,78E-01	6,49E-01	1,04E+00	9,78E-01	5,18E-01	7,58E-01	1,12E+00	1,03E+00
3,5	4,00E-01	6,79E-01	1,08E+00	1,02E+00	5,58E-01	7,94E-01	1,15E+00	1,06E+00
4	4,17E-01	7,04E-01	1,11E+00	1,05E+00	5,92E-01	8,22E-01	1,17E+00	1,07E+00
5	4,46E-01	7,41E-01	1,17E+00	1,09E+00	6,48E-01	8,65E-01	1,20E+00	1,09E+00
6	4,68E-01	7,69E-01	1,20E+00	1,13E+00	6,91E-01	8,97E-01	1,22E+00	1,10E+00
7	4,84E-01	7,91E-01	1,23E+00	1,15E+00	7,25E-01	9,22E-01	1,24E+00	1,11E+00
8	4,97E-01	8,07E-01	1,25E+00	1,17E+00	7,52E-01	9,42E-01	1,25E+00	1,12E+00
9	5,07E-01	8,20E-01	1,27E+00	1,19E+00	7,74E-01	9,58E-01	1,26E+00	1,12E+00
10	5,15E-01	8,30E-01	1,29E+00	1,20E+00	7,90E-01	9,71E-01	1,26E+00	1,13E+00
11	5,21E-01	8,37E-01	1,30E+00	1,21E+00	8,04E-01	9,80E-01	1,27E+00	1,13E+00
12	5,25E-01	8,43E-01	1,30E+00	1,22E+00	8,14E-01	9,88E-01	1,27E+00	1,13E+00
13	5,29E-01	8,48E-01	1,31E+00	1,22E+00	8,23E-01	9,94E-01	1,28E+00	1,13E+00
14	5,32E-01	8,51E-01	1,31E+00	1,23E+00	8,29E-01	9,99E-01	1,28E+00	1,14E+00
15	5,34E-01	8,54E-01	1,32E+00	1,23E+00	8,35E-01	1,00E+00	1,28E+00	1,14E+00
20	5,39E-01	8,60E-01	1,33E+00	1,24E+00	8,49E-01	1,01E+00	1,29E+00	1,14E+00
30	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,55E-01	1,02E+00	1,29E+00	1,14E+00
40	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
45	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
50	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
60	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
70	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
80	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
90	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
100	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
120	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
180	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
200	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
300	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
360	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
365	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
400	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
500	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
600	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
700	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
800	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
900	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
1000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
2000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
3000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
4000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
5000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
6000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
8000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
10000	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
13500	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
14600	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
18250	5,41E-01	8,63E-01	1,33E+00	1,24E+00	8,56E-01	1,02E+00	1,29E+00	1,14E+00
Eff. Dosis	9,0E-10	1,3E-09	1,8E-09	1,7E-09	1,4E-09	1,2E-09	1,2E-09	9,8E-10
Gebärmutter	3,2E-10	5,6E-10	9,0E-10	8,6E-10	2,4E-10	6,1E-10	1,1E-09	1,1E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Te-132

Zeit (d)	Inhalation Typ S				Gas/Dampf	Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm			
1	2,53E-01	4,15E-01	6,49E-01	6,08E-01	6,04E-01	8,17E-01	6,99E-01
2	4,28E-01	6,57E-01	9,93E-01	9,23E-01	8,98E-01	1,19E+00	1,05E+00
3	5,45E-01	7,78E-01	1,13E+00	1,04E+00	1,04E+00	1,33E+00	1,27E+00
3,5	5,90E-01	8,16E-01	1,16E+00	1,06E+00	1,08E+00	1,37E+00	1,36E+00
4	6,28E-01	8,46E-01	1,18E+00	1,08E+00	1,11E+00	1,39E+00	1,43E+00
5	6,92E-01	8,93E-01	1,21E+00	1,09E+00	1,17E+00	1,43E+00	1,55E+00
6	7,41E-01	9,28E-01	1,23E+00	1,10E+00	1,20E+00	1,46E+00	1,64E+00
7	7,81E-01	9,56E-01	1,24E+00	1,11E+00	1,23E+00	1,48E+00	1,71E+00
8	8,12E-01	9,78E-01	1,26E+00	1,11E+00	1,25E+00	1,50E+00	1,77E+00
9	8,36E-01	9,96E-01	1,26E+00	1,12E+00	1,27E+00	1,51E+00	1,81E+00
10	8,56E-01	1,01E+00	1,27E+00	1,12E+00	1,29E+00	1,52E+00	1,84E+00
11	8,72E-01	1,02E+00	1,28E+00	1,12E+00	1,30E+00	1,53E+00	1,87E+00
12	8,84E-01	1,03E+00	1,28E+00	1,13E+00	1,30E+00	1,54E+00	1,89E+00
13	8,94E-01	1,04E+00	1,29E+00	1,13E+00	1,31E+00	1,54E+00	1,90E+00
14	9,02E-01	1,04E+00	1,29E+00	1,13E+00	1,31E+00	1,54E+00	1,92E+00
15	9,08E-01	1,05E+00	1,29E+00	1,13E+00	1,32E+00	1,55E+00	1,92E+00
20	9,26E-01	1,06E+00	1,30E+00	1,13E+00	1,33E+00	1,55E+00	1,95E+00
30	9,33E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
40	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
45	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
50	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
60	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
70	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
80	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
90	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
100	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
120	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
180	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
200	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
300	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
360	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
365	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
400	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
500	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
600	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
700	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
800	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
900	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
1000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
2000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
3000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
4000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
5000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
6000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
8000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
10000	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
13500	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
14600	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
18250	9,34E-01	1,07E+00	1,30E+00	1,13E+00	1,33E+00	1,56E+00	1,96E+00
Eff. Dosis	1,5E-09	1,2E-09	1,2E-09	8,9E-10	3,4E-09	1,9E-09	3,6E-09
Gebärmutter	2,13E-10	6,0E-10	1,1E-09	1,1E-09	1,1E-09	1,6E-09	1,0E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-123								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,20E-02	2,06E-02	3,30E-02	3,11E-02	1,20E-02	2,07E-02	3,30E-02	3,12E-02
0,08333	2,29E-02	3,96E-02	6,35E-02	5,99E-02	2,33E-02	4,01E-02	6,40E-02	6,03E-02
0,125	3,29E-02	5,70E-02	9,14E-02	8,63E-02	3,40E-02	5,83E-02	9,29E-02	8,76E-02
0,1667	4,19E-02	7,28E-02	1,17E-01	1,10E-01	4,41E-02	7,53E-02	1,20E-01	1,13E-01
0,2083	4,99E-02	8,71E-02	1,40E-01	1,32E-01	5,35E-02	9,13E-02	1,45E-01	1,37E-01
0,25	5,71E-02	1,00E-01	1,61E-01	1,52E-01	6,24E-02	1,06E-01	1,69E-01	1,59E-01
0,2917	6,36E-02	1,12E-01	1,80E-01	1,71E-01	7,08E-02	1,20E-01	1,91E-01	1,80E-01
0,3333	6,93E-02	1,22E-01	1,98E-01	1,87E-01	7,87E-02	1,34E-01	2,12E-01	2,00E-01
0,375	7,45E-02	1,32E-01	2,13E-01	2,02E-01	8,61E-02	1,46E-01	2,32E-01	2,18E-01
0,4167	7,92E-02	1,41E-01	2,28E-01	2,15E-01	9,31E-02	1,58E-01	2,50E-01	2,35E-01
0,4583	8,34E-02	1,48E-01	2,40E-01	2,28E-01	9,96E-02	1,68E-01	2,67E-01	2,51E-01
0,5	8,72E-02	1,55E-01	2,52E-01	2,39E-01	1,06E-01	1,79E-01	2,83E-01	2,66E-01
0,5417	9,07E-02	1,62E-01	2,63E-01	2,49E-01	1,12E-01	1,88E-01	2,98E-01	2,80E-01
0,5833	9,38E-02	1,68E-01	2,73E-01	2,58E-01	1,17E-01	1,97E-01	3,12E-01	2,93E-01
0,625	9,67E-02	1,73E-01	2,81E-01	2,67E-01	1,22E-01	2,05E-01	3,25E-01	3,05E-01
0,6667	9,93E-02	1,78E-01	2,89E-01	2,74E-01	1,27E-01	2,13E-01	3,37E-01	3,17E-01
0,7083	1,02E-01	1,82E-01	2,97E-01	2,81E-01	1,31E-01	2,20E-01	3,48E-01	3,27E-01
0,75	1,04E-01	1,86E-01	3,04E-01	2,88E-01	1,36E-01	2,27E-01	3,59E-01	3,37E-01
0,7917	1,06E-01	1,90E-01	3,10E-01	2,94E-01	1,40E-01	2,34E-01	3,68E-01	3,46E-01
0,8333	1,08E-01	1,94E-01	3,15E-01	2,99E-01	1,43E-01	2,40E-01	3,78E-01	3,55E-01
0,875	1,10E-01	1,97E-01	3,20E-01	3,04E-01	1,47E-01	2,45E-01	3,86E-01	3,63E-01
0,9167	1,11E-01	2,00E-01	3,25E-01	3,08E-01	1,50E-01	2,50E-01	3,94E-01	3,70E-01
0,9583	1,13E-01	2,02E-01	3,30E-01	3,13E-01	1,53E-01	2,55E-01	4,01E-01	3,77E-01
1	1,14E-01	2,05E-01	3,34E-01	3,16E-01	1,56E-01	2,60E-01	4,08E-01	3,84E-01
1,083	1,16E-01	2,09E-01	3,41E-01	3,23E-01	1,61E-01	2,68E-01	4,21E-01	3,95E-01
1,167	1,18E-01	2,13E-01	3,47E-01	3,29E-01	1,66E-01	2,75E-01	4,31E-01	4,05E-01
1,25	1,20E-01	2,16E-01	3,52E-01	3,34E-01	1,70E-01	2,81E-01	4,40E-01	4,13E-01
1,333	1,22E-01	2,19E-01	3,57E-01	3,38E-01	1,74E-01	2,86E-01	4,48E-01	4,21E-01
1,417	1,23E-01	2,22E-01	3,61E-01	3,42E-01	1,77E-01	2,91E-01	4,55E-01	4,27E-01
1,5	1,25E-01	2,24E-01	3,64E-01	3,45E-01	1,80E-01	2,95E-01	4,61E-01	4,32E-01
1,667	1,27E-01	2,27E-01	3,70E-01	3,51E-01	1,85E-01	3,02E-01	4,70E-01	4,41E-01
1,833	1,28E-01	2,30E-01	3,74E-01	3,55E-01	1,89E-01	3,06E-01	4,77E-01	4,47E-01
2	1,30E-01	2,32E-01	3,78E-01	3,58E-01	1,91E-01	3,10E-01	4,82E-01	4,51E-01
3	1,34E-01	2,39E-01	3,88E-01	3,67E-01	2,00E-01	3,19E-01	4,93E-01	4,60E-01
4	1,35E-01	2,41E-01	3,91E-01	3,70E-01	2,02E-01	3,21E-01	4,94E-01	4,62E-01
5	1,35E-01	2,41E-01	3,91E-01	3,71E-01	2,02E-01	3,22E-01	4,95E-01	4,62E-01
6	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
7	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
8	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
9	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
10	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
11	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
12	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
13	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
14	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
15	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
16	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
17	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
18	1,35E-01	2,41E-01	3,92E-01	3,71E-01	2,03E-01	3,22E-01	4,95E-01	4,62E-01
Eff. Dosis	4,9E-11	7,2E-11	1,1E-10	9,8E-11	3,2E-11	3,7E-11	4,9E-11	4,2E-11
Gebärmutter	4,7E-12	6,9E-12	1,0E-11	9,3E-12	4,3E-12	1,3E-11	2,4E-11	2,3E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-123									
	Inhalation Typ S				Inhalation Gas/Dampf			Ingestion	Injektion
Zeit (d)	0,3 µm	1,0 µm	5 µm	10 µm	Methyli., Ethyli.	Elementares Iod, alle unbest. Verb.			
0,04167	1,20E-02	2,07E-02	3,30E-02	3,12E-02	2,81E-02	4,04E-02		4,05E-02	4,02E-02
0,08333	2,33E-02	4,01E-02	6,40E-02	6,03E-02	5,37E-02	7,76E-02		7,84E-02	7,67E-02
0,125	3,40E-02	5,83E-02	9,29E-02	8,76E-02	7,66E-02	1,11E-01		1,13E-01	1,10E-01
0,1667	4,41E-02	7,54E-02	1,20E-01	1,13E-01	9,70E-02	1,41E-01		1,44E-01	1,39E-01
0,2083	5,37E-02	9,15E-02	1,46E-01	1,37E-01	1,15E-01	1,68E-01		1,72E-01	1,64E-01
0,25	6,27E-02	1,07E-01	1,70E-01	1,60E-01	1,31E-01	1,92E-01		1,97E-01	1,87E-01
0,2917	7,12E-02	1,21E-01	1,92E-01	1,81E-01	1,45E-01	2,13E-01		2,19E-01	2,08E-01
0,3333	7,92E-02	1,34E-01	2,13E-01	2,01E-01	1,58E-01	2,32E-01		2,39E-01	2,26E-01
0,375	8,68E-02	1,47E-01	2,33E-01	2,19E-01	1,69E-01	2,48E-01		2,57E-01	2,42E-01
0,4167	9,40E-02	1,59E-01	2,52E-01	2,37E-01	1,79E-01	2,63E-01		2,72E-01	2,56E-01
0,4583	1,01E-01	1,70E-01	2,69E-01	2,54E-01	1,89E-01	2,77E-01		2,86E-01	2,69E-01
0,5	1,07E-01	1,81E-01	2,86E-01	2,69E-01	1,97E-01	2,89E-01		2,99E-01	2,81E-01
0,5417	1,13E-01	1,91E-01	3,01E-01	2,84E-01	2,04E-01	3,00E-01		3,10E-01	2,92E-01
0,5833	1,19E-01	2,00E-01	3,16E-01	2,97E-01	2,11E-01	3,10E-01		3,21E-01	3,01E-01
0,625	1,25E-01	2,09E-01	3,30E-01	3,10E-01	2,17E-01	3,19E-01		3,30E-01	3,10E-01
0,6667	1,30E-01	2,17E-01	3,42E-01	3,22E-01	2,23E-01	3,27E-01		3,39E-01	3,18E-01
0,7083	1,35E-01	2,25E-01	3,55E-01	3,33E-01	2,28E-01	3,34E-01		3,46E-01	3,25E-01
0,75	1,39E-01	2,32E-01	3,66E-01	3,44E-01	2,33E-01	3,41E-01		3,54E-01	3,32E-01
0,7917	1,43E-01	2,39E-01	3,76E-01	3,54E-01	2,37E-01	3,48E-01		3,60E-01	3,38E-01
0,8333	1,47E-01	2,45E-01	3,86E-01	3,63E-01	2,41E-01	3,53E-01		3,66E-01	3,44E-01
0,875	1,51E-01	2,52E-01	3,95E-01	3,71E-01	2,45E-01	3,59E-01		3,72E-01	3,49E-01
0,9167	1,55E-01	2,57E-01	4,04E-01	3,79E-01	2,48E-01	3,64E-01		3,77E-01	3,54E-01
0,9583	1,58E-01	2,62E-01	4,12E-01	3,87E-01	2,51E-01	3,69E-01		3,82E-01	3,59E-01
1	1,62E-01	2,67E-01	4,20E-01	3,94E-01	2,54E-01	3,73E-01		3,86E-01	3,63E-01
1,083	1,67E-01	2,76E-01	4,33E-01	4,07E-01	2,60E-01	3,81E-01		3,94E-01	3,71E-01
1,167	1,73E-01	2,84E-01	4,45E-01	4,17E-01	2,65E-01	3,88E-01		4,01E-01	3,78E-01
1,25	1,77E-01	2,91E-01	4,55E-01	4,27E-01	2,69E-01	3,94E-01		4,08E-01	3,84E-01
1,333	1,81E-01	2,97E-01	4,64E-01	4,35E-01	2,73E-01	4,00E-01		4,13E-01	3,90E-01
1,417	1,85E-01	3,02E-01	4,71E-01	4,42E-01	2,76E-01	4,04E-01		4,18E-01	3,94E-01
1,5	1,88E-01	3,07E-01	4,78E-01	4,48E-01	2,79E-01	4,09E-01		4,22E-01	3,99E-01
1,667	1,94E-01	3,14E-01	4,88E-01	4,57E-01	2,84E-01	4,16E-01		4,30E-01	4,06E-01
1,833	1,98E-01	3,19E-01	4,95E-01	4,63E-01	2,88E-01	4,22E-01		4,35E-01	4,12E-01
2	2,01E-01	3,24E-01	5,00E-01	4,68E-01	2,92E-01	4,26E-01		4,40E-01	4,17E-01
3	2,11E-01	3,34E-01	5,12E-01	4,78E-01	3,02E-01	4,41E-01		4,54E-01	4,31E-01
4	2,13E-01	3,35E-01	5,14E-01	4,79E-01	3,04E-01	4,45E-01		4,58E-01	4,35E-01
5	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,05E-01	4,46E-01		4,59E-01	4,36E-01
6	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,05E-01	4,46E-01		4,60E-01	4,36E-01
7	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
8	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
9	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
10	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
11	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
12	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
13	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
14	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
15	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
16	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
17	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
18	2,14E-01	3,36E-01	5,14E-01	4,79E-01	3,06E-01	4,46E-01		4,60E-01	4,36E-01
Eff. Dosis	2,9E-11	3,0E-11	3,7E-11	3,1E-11	1,3E-10	2,0E-10		1,8E-10	1,9E-10
Gebärmutter	4,42E-12	1,4E-11	2,7E-11	2,6E-11	1,3E-11	1,8E-11		1,8E-11	1,9E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-124								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	1,68E-01	3,04E-01	4,97E-01	4,71E-01	2,48E-01	4,08E-01	6,39E-01	6,00E-01
2	2,43E-01	4,32E-01	7,02E-01	6,65E-01	4,14E-01	6,41E-01	9,74E-01	9,06E-01
3	2,99E-01	5,24E-01	8,45E-01	7,98E-01	5,30E-01	7,68E-01	1,12E+00	1,03E+00
3,5	3,24E-01	5,64E-01	9,06E-01	8,56E-01	5,77E-01	8,11E-01	1,16E+00	1,07E+00
4	3,46E-01	6,00E-01	9,62E-01	9,08E-01	6,19E-01	8,47E-01	1,20E+00	1,09E+00
5	3,86E-01	6,64E-01	1,06E+00	1,00E+00	6,90E-01	9,06E-01	1,24E+00	1,13E+00
6	4,20E-01	7,17E-01	1,14E+00	1,08E+00	7,49E-01	9,54E-01	1,28E+00	1,15E+00
7	4,48E-01	7,63E-01	1,21E+00	1,14E+00	7,98E-01	9,94E-01	1,31E+00	1,17E+00
8	4,72E-01	8,01E-01	1,27E+00	1,20E+00	8,38E-01	1,03E+00	1,34E+00	1,19E+00
9	4,93E-01	8,34E-01	1,32E+00	1,25E+00	8,72E-01	1,06E+00	1,36E+00	1,20E+00
10	5,10E-01	8,61E-01	1,36E+00	1,28E+00	9,01E-01	1,08E+00	1,37E+00	1,22E+00
11	5,24E-01	8,84E-01	1,40E+00	1,32E+00	9,24E-01	1,10E+00	1,39E+00	1,23E+00
12	5,36E-01	9,04E-01	1,43E+00	1,35E+00	9,44E-01	1,11E+00	1,40E+00	1,23E+00
13	5,47E-01	9,20E-01	1,46E+00	1,37E+00	9,61E-01	1,13E+00	1,41E+00	1,24E+00
14	5,55E-01	9,34E-01	1,48E+00	1,39E+00	9,75E-01	1,14E+00	1,42E+00	1,25E+00
15	5,63E-01	9,46E-01	1,50E+00	1,41E+00	9,87E-01	1,15E+00	1,43E+00	1,25E+00
20	5,85E-01	9,82E-01	1,55E+00	1,46E+00	1,02E+00	1,18E+00	1,45E+00	1,27E+00
30	5,99E-01	1,00E+00	1,58E+00	1,49E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
40	6,01E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
45	6,01E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
50	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
60	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
70	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
80	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
90	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
100	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
120	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
180	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
200	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
300	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
360	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
365	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
400	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
500	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
600	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
700	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
800	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
900	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
1000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
2000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
3000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
4000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
5000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
6000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
8000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
10000	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
13500	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
14600	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
18250	6,02E-01	1,01E+00	1,59E+00	1,50E+00	1,05E+00	1,20E+00	1,47E+00	1,28E+00
Eff. Dosis	2,4E-09	3,7E-09	5,7E-09	5,3E-09	9,7E-10	1,2E-09	1,6E-09	1,4E-09
Gebärmutter	3,9E-11	6,2E-11	9,6E-11	9,0E-11	8,8E-11	2,4E-10	4,5E-10	4,4E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-124									
Zeit (d)	Inhalation Typ S				Inhalation Gas/Dampf		Ingestion	Injektion	
	0,3 µm	1,0 µm	5 µm	10 µm	Methyli., Ethyli.	Elementares Iod, alle unbest. Verb.			
1	2,59E-01	4,24E-01	6,63E-01	6,22E-01	3,73E-01	5,46E-01	5,66E-01	5,32E-01	
2	4,47E-01	6,84E-01	1,03E+00	9,59E-01	5,49E-01	7,99E-01	8,21E-01	7,84E-01	
3	5,79E-01	8,21E-01	1,19E+00	1,09E+00	6,91E-01	1,00E+00	1,02E+00	9,88E-01	
3,5	6,32E-01	8,66E-01	1,22E+00	1,12E+00	7,54E-01	1,09E+00	1,11E+00	1,08E+00	
4	6,78E-01	9,02E-01	1,25E+00	1,13E+00	8,11E-01	1,17E+00	1,19E+00	1,16E+00	
5	7,58E-01	9,61E-01	1,28E+00	1,15E+00	9,12E-01	1,32E+00	1,34E+00	1,30E+00	
6	8,24E-01	1,01E+00	1,31E+00	1,17E+00	9,98E-01	1,44E+00	1,46E+00	1,43E+00	
7	8,78E-01	1,05E+00	1,33E+00	1,18E+00	1,07E+00	1,54E+00	1,56E+00	1,53E+00	
8	9,23E-01	1,08E+00	1,35E+00	1,18E+00	1,13E+00	1,63E+00	1,65E+00	1,62E+00	
9	9,61E-01	1,11E+00	1,36E+00	1,19E+00	1,18E+00	1,70E+00	1,72E+00	1,69E+00	
10	9,93E-01	1,13E+00	1,37E+00	1,20E+00	1,23E+00	1,76E+00	1,78E+00	1,75E+00	
11	1,02E+00	1,15E+00	1,38E+00	1,20E+00	1,26E+00	1,82E+00	1,83E+00	1,80E+00	
12	1,04E+00	1,16E+00	1,39E+00	1,21E+00	1,29E+00	1,86E+00	1,88E+00	1,85E+00	
13	1,06E+00	1,18E+00	1,40E+00	1,21E+00	1,32E+00	1,90E+00	1,91E+00	1,88E+00	
14	1,08E+00	1,19E+00	1,41E+00	1,21E+00	1,34E+00	1,93E+00	1,94E+00	1,92E+00	
15	1,09E+00	1,20E+00	1,41E+00	1,21E+00	1,36E+00	1,96E+00	1,97E+00	1,94E+00	
20	1,13E+00	1,23E+00	1,43E+00	1,22E+00	1,42E+00	2,04E+00	2,05E+00	2,02E+00	
30	1,16E+00	1,25E+00	1,43E+00	1,23E+00	1,45E+00	2,09E+00	2,10E+00	2,07E+00	
40	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,09E+00	2,11E+00	2,08E+00	
45	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
50	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
60	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
70	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
80	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
90	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
100	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
120	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
180	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
200	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
300	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
360	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
365	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
400	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
500	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
600	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
700	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
800	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
900	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
1000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
2000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
3000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
4000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
5000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
6000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
8000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
10000	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
13500	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
14600	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
18250	1,16E+00	1,25E+00	1,44E+00	1,23E+00	1,46E+00	2,10E+00	2,11E+00	2,08E+00	
Eff. Dosis	5,9E-10	5,6E-10	5,5E-10	4,4E-10	6,1E-09	8,7E-09	8,6E-09	8,7E-09	
Gebärmutter	1,0E-10	2,9E-10	5,4E-10	5,3E-10	1,0E-10	1,4E-10	1,5E-10	1,4E-10	

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-131								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	1,73E-01	3,14E-01	5,13E-01	4,87E-01	2,57E-01	4,24E-01	6,63E-01	6,22E-01
2	2,57E-01	4,58E-01	7,43E-01	7,04E-01	4,44E-01	6,85E-01	1,04E+00	9,66E-01
3	3,26E-01	5,70E-01	9,18E-01	8,67E-01	5,86E-01	8,39E-01	1,22E+00	1,12E+00
3,5	3,58E-01	6,21E-01	9,97E-01	9,41E-01	6,47E-01	8,95E-01	1,27E+00	1,16E+00
4	3,89E-01	6,70E-01	1,07E+00	1,01E+00	7,03E-01	9,44E-01	1,32E+00	1,20E+00
5	4,46E-01	7,61E-01	1,21E+00	1,14E+00	8,05E-01	1,03E+00	1,38E+00	1,24E+00
6	4,98E-01	8,45E-01	1,34E+00	1,26E+00	8,96E-01	1,10E+00	1,44E+00	1,28E+00
7	5,45E-01	9,21E-01	1,46E+00	1,37E+00	9,77E-01	1,17E+00	1,49E+00	1,32E+00
8	5,89E-01	9,90E-01	1,57E+00	1,47E+00	1,05E+00	1,23E+00	1,54E+00	1,35E+00
9	6,29E-01	1,05E+00	1,66E+00	1,57E+00	1,12E+00	1,28E+00	1,58E+00	1,38E+00
10	6,65E-01	1,11E+00	1,75E+00	1,65E+00	1,18E+00	1,33E+00	1,62E+00	1,41E+00
11	6,98E-01	1,17E+00	1,84E+00	1,73E+00	1,23E+00	1,38E+00	1,65E+00	1,43E+00
12	7,29E-01	1,21E+00	1,91E+00	1,80E+00	1,28E+00	1,42E+00	1,68E+00	1,45E+00
13	7,57E-01	1,26E+00	1,98E+00	1,86E+00	1,33E+00	1,46E+00	1,71E+00	1,47E+00
14	7,82E-01	1,30E+00	2,04E+00	1,92E+00	1,37E+00	1,49E+00	1,74E+00	1,49E+00
15	8,05E-01	1,34E+00	2,10E+00	1,97E+00	1,41E+00	1,52E+00	1,76E+00	1,50E+00
20	8,94E-01	1,48E+00	2,32E+00	2,18E+00	1,55E+00	1,64E+00	1,85E+00	1,57E+00
30	9,86E-01	1,63E+00	2,55E+00	2,39E+00	1,70E+00	1,76E+00	1,94E+00	1,63E+00
40	1,02E+00	1,68E+00	2,64E+00	2,47E+00	1,76E+00	1,81E+00	1,98E+00	1,66E+00
45	1,03E+00	1,70E+00	2,66E+00	2,49E+00	1,77E+00	1,82E+00	1,99E+00	1,66E+00
50	1,04E+00	1,71E+00	2,67E+00	2,51E+00	1,78E+00	1,83E+00	1,99E+00	1,67E+00
60	1,04E+00	1,72E+00	2,69E+00	2,52E+00	1,79E+00	1,84E+00	2,00E+00	1,67E+00
70	1,05E+00	1,72E+00	2,69E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,67E+00
80	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,67E+00
90	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,67E+00
100	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,67E+00
120	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
180	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
200	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
300	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
360	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
365	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
400	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
500	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
600	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
700	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
800	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
900	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
1000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
2000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
3000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
4000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
5000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
6000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
8000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
10000	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
13500	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
14600	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
18250	1,05E+00	1,72E+00	2,70E+00	2,53E+00	1,79E+00	1,84E+00	2,00E+00	1,68E+00
Eff. Dosis	4,6E-09	7,3E-09	1,1E-08	1,0E-08	1,8E-09	2,1E-09	2,7E-09	2,4E-09
Gebärmutter	1,8E-11	2,9E-11	4,5E-11	4,2E-11	3,8E-11	1,0E-10	1,9E-10	1,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-131									
Zeit (d)	Inhalation Typ S				Inhalation Gas/Dampf		Ingestion	Injektion	
	0,3 µm	1,0 µm	5 µm	10 µm	Methyli., Ethyli.	Elementares Iod, alle unbest. Verb.			
1	2,69E-01	4,41E-01	6,88E-01	6,45E-01	3,84E-01	5,63E-01	5,84E-01	5,49E-01	
2	4,80E-01	7,32E-01	1,10E+00	1,02E+00	5,83E-01	8,48E-01	8,71E-01	8,33E-01	
3	6,41E-01	8,98E-01	1,29E+00	1,18E+00	7,57E-01	1,10E+00	1,12E+00	1,08E+00	
3,5	7,10E-01	9,56E-01	1,34E+00	1,22E+00	8,37E-01	1,21E+00	1,23E+00	1,20E+00	
4	7,73E-01	1,01E+00	1,37E+00	1,24E+00	9,15E-01	1,32E+00	1,34E+00	1,31E+00	
5	8,86E-01	1,09E+00	1,42E+00	1,27E+00	1,06E+00	1,53E+00	1,55E+00	1,51E+00	
6	9,88E-01	1,16E+00	1,46E+00	1,29E+00	1,19E+00	1,72E+00	1,73E+00	1,70E+00	
7	1,08E+00	1,23E+00	1,50E+00	1,31E+00	1,31E+00	1,89E+00	1,90E+00	1,88E+00	
8	1,16E+00	1,29E+00	1,53E+00	1,32E+00	1,42E+00	2,05E+00	2,06E+00	2,03E+00	
9	1,24E+00	1,34E+00	1,56E+00	1,33E+00	1,52E+00	2,19E+00	2,20E+00	2,18E+00	
10	1,30E+00	1,39E+00	1,58E+00	1,34E+00	1,62E+00	2,32E+00	2,33E+00	2,31E+00	
11	1,37E+00	1,43E+00	1,60E+00	1,36E+00	1,70E+00	2,44E+00	2,45E+00	2,43E+00	
12	1,42E+00	1,47E+00	1,62E+00	1,37E+00	1,78E+00	2,55E+00	2,56E+00	2,54E+00	
13	1,47E+00	1,51E+00	1,64E+00	1,37E+00	1,85E+00	2,65E+00	2,66E+00	2,64E+00	
14	1,52E+00	1,54E+00	1,66E+00	1,38E+00	1,91E+00	2,74E+00	2,75E+00	2,73E+00	
15	1,56E+00	1,57E+00	1,68E+00	1,39E+00	1,97E+00	2,83E+00	2,84E+00	2,82E+00	
20	1,72E+00	1,69E+00	1,74E+00	1,42E+00	2,20E+00	3,15E+00	3,16E+00	3,14E+00	
30	1,89E+00	1,81E+00	1,80E+00	1,45E+00	2,43E+00	3,48E+00	3,49E+00	3,47E+00	
40	1,96E+00	1,86E+00	1,83E+00	1,46E+00	2,52E+00	3,61E+00	3,62E+00	3,61E+00	
45	1,98E+00	1,87E+00	1,83E+00	1,46E+00	2,55E+00	3,65E+00	3,65E+00	3,64E+00	
50	1,99E+00	1,88E+00	1,84E+00	1,47E+00	2,56E+00	3,67E+00	3,67E+00	3,66E+00	
60	2,00E+00	1,89E+00	1,84E+00	1,47E+00	2,58E+00	3,69E+00	3,69E+00	3,68E+00	
70	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,58E+00	3,70E+00	3,70E+00	3,69E+00	
80	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,58E+00	3,70E+00	3,70E+00	3,69E+00	
90	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
100	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
120	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
180	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
200	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
300	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
360	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
365	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
400	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
500	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
600	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
700	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
800	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
900	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
1000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
2000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
3000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
4000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
5000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
6000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
8000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
10000	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
13500	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
14600	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
18250	2,01E+00	1,90E+00	1,84E+00	1,47E+00	2,59E+00	3,70E+00	3,71E+00	3,69E+00	
Eff. Dosis	9,3E-10	7,2E-10	6,0E-10	4,3E-10	1,2E-08	1,7E-08	1,7E-08	1,7E-08	
Gebärmutter	4,42E-11	1,2E-10	2,2E-10	2,2E-10	4,6E-11	6,6E-11	6,8E-11	6,5E-11	

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-132								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,06E-02	1,83E-02	2,92E-02	2,76E-02	1,06E-02	1,83E-02	2,93E-02	2,76E-02
0,08333	1,82E-02	3,14E-02	5,03E-02	4,74E-02	1,84E-02	3,17E-02	5,06E-02	4,77E-02
0,125	2,35E-02	4,07E-02	6,53E-02	6,16E-02	2,42E-02	4,15E-02	6,61E-02	6,24E-02
0,1667	2,73E-02	4,74E-02	7,60E-02	7,17E-02	2,84E-02	4,86E-02	7,75E-02	7,30E-02
0,2083	2,99E-02	5,20E-02	8,35E-02	7,89E-02	3,15E-02	5,38E-02	8,57E-02	8,08E-02
0,25	3,17E-02	5,53E-02	8,89E-02	8,40E-02	3,37E-02	5,76E-02	9,18E-02	8,65E-02
0,2917	3,30E-02	5,76E-02	9,27E-02	8,75E-02	3,54E-02	6,04E-02	9,62E-02	9,06E-02
0,3333	3,39E-02	5,92E-02	9,53E-02	9,01E-02	3,66E-02	6,24E-02	9,94E-02	9,36E-02
0,375	3,45E-02	6,04E-02	9,72E-02	9,19E-02	3,75E-02	6,39E-02	1,02E-01	9,58E-02
0,4167	3,50E-02	6,12E-02	9,85E-02	9,31E-02	3,81E-02	6,50E-02	1,03E-01	9,74E-02
0,4583	3,53E-02	6,18E-02	9,95E-02	9,40E-02	3,86E-02	6,58E-02	1,05E-01	9,86E-02
0,5	3,55E-02	6,22E-02	1,00E-01	9,46E-02	3,89E-02	6,63E-02	1,06E-01	9,94E-02
0,5417	3,56E-02	6,24E-02	1,01E-01	9,51E-02	3,92E-02	6,68E-02	1,06E-01	1,00E-01
0,5833	3,57E-02	6,26E-02	1,01E-01	9,54E-02	3,94E-02	6,71E-02	1,07E-01	1,01E-01
0,625	3,58E-02	6,28E-02	1,01E-01	9,56E-02	3,95E-02	6,73E-02	1,07E-01	1,01E-01
0,6667	3,59E-02	6,29E-02	1,01E-01	9,58E-02	3,96E-02	6,75E-02	1,07E-01	1,01E-01
0,7083	3,59E-02	6,30E-02	1,02E-01	9,59E-02	3,97E-02	6,76E-02	1,07E-01	1,01E-01
0,75	3,59E-02	6,30E-02	1,02E-01	9,60E-02	3,97E-02	6,77E-02	1,08E-01	1,01E-01
0,7917	3,60E-02	6,31E-02	1,02E-01	9,61E-02	3,98E-02	6,77E-02	1,08E-01	1,01E-01
0,8333	3,60E-02	6,31E-02	1,02E-01	9,61E-02	3,98E-02	6,78E-02	1,08E-01	1,02E-01
0,875	3,60E-02	6,31E-02	1,02E-01	9,61E-02	3,98E-02	6,78E-02	1,08E-01	1,02E-01
0,9167	3,60E-02	6,31E-02	1,02E-01	9,61E-02	3,98E-02	6,78E-02	1,08E-01	1,02E-01
0,9583	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,78E-02	1,08E-01	1,02E-01
1	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,083	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,167	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,25	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,333	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,417	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,5	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,667	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
1,833	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
2	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
3	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
4	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
5	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
6	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
7	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
8	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
9	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
10	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
11	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
12	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
13	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
14	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
15	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
16	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
17	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
18	3,60E-02	6,31E-02	1,02E-01	9,62E-02	3,99E-02	6,79E-02	1,08E-01	1,02E-01
Eff. Dosis	6,2E-11	8,7E-11	1,2E-10	1,1E-10	5,4E-11	7,2E-11	1,0E-10	8,8E-11
Gebärmutter	1,4E-11	1,8E-11	2,4E-11	2,1E-11	4,5E-12	1,3E-11	2,4E-11	2,3E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-132									
	Inhalation Typ S				Inhalation Gas/Dampf			Ingestion	Injektion
Zeit (d)	0,3 µm	1,0 µm	5 µm	10 µm	Methyli., Ethyli.	Elementares Iod, alle unbest. Verb.			
0,04167	1,06E-02	1,83E-02	2,93E-02	2,76E-02	2,49E-02	3,58E-02		3,59E-02	3,56E-02
0,08333	1,84E-02	3,17E-02	5,06E-02	4,77E-02	4,26E-02	6,15E-02		6,20E-02	6,08E-02
0,125	2,42E-02	4,15E-02	6,62E-02	6,24E-02	5,49E-02	7,95E-02		8,06E-02	7,84E-02
0,1667	2,84E-02	4,86E-02	7,75E-02	7,31E-02	6,34E-02	9,21E-02		9,37E-02	9,06E-02
0,2083	3,15E-02	5,39E-02	8,58E-02	8,09E-02	6,93E-02	1,01E-01		1,03E-01	9,90E-02
0,25	3,38E-02	5,77E-02	9,19E-02	8,66E-02	7,34E-02	1,07E-01		1,09E-01	1,05E-01
0,2917	3,55E-02	6,05E-02	9,63E-02	9,08E-02	7,62E-02	1,11E-01		1,14E-01	1,09E-01
0,3333	3,67E-02	6,26E-02	9,96E-02	9,38E-02	7,81E-02	1,14E-01		1,17E-01	1,12E-01
0,375	3,76E-02	6,41E-02	1,02E-01	9,61E-02	7,95E-02	1,16E-01		1,19E-01	1,14E-01
0,4167	3,83E-02	6,52E-02	1,04E-01	9,77E-02	8,04E-02	1,17E-01		1,20E-01	1,15E-01
0,4583	3,88E-02	6,60E-02	1,05E-01	9,89E-02	8,11E-02	1,18E-01		1,21E-01	1,16E-01
0,5	3,91E-02	6,66E-02	1,06E-01	9,98E-02	8,16E-02	1,19E-01		1,22E-01	1,17E-01
0,5417	3,94E-02	6,71E-02	1,07E-01	1,00E-01	8,19E-02	1,20E-01		1,22E-01	1,17E-01
0,5833	3,96E-02	6,74E-02	1,07E-01	1,01E-01	8,21E-02	1,20E-01		1,23E-01	1,17E-01
0,625	3,98E-02	6,76E-02	1,08E-01	1,01E-01	8,23E-02	1,20E-01		1,23E-01	1,18E-01
0,6667	3,99E-02	6,78E-02	1,08E-01	1,02E-01	8,24E-02	1,20E-01		1,23E-01	1,18E-01
0,7083	3,99E-02	6,79E-02	1,08E-01	1,02E-01	8,25E-02	1,20E-01		1,23E-01	1,18E-01
0,75	4,00E-02	6,80E-02	1,08E-01	1,02E-01	8,25E-02	1,20E-01		1,23E-01	1,18E-01
0,7917	4,00E-02	6,81E-02	1,08E-01	1,02E-01	8,26E-02	1,21E-01		1,24E-01	1,18E-01
0,8333	4,01E-02	6,81E-02	1,08E-01	1,02E-01	8,26E-02	1,21E-01		1,24E-01	1,18E-01
0,875	4,01E-02	6,82E-02	1,08E-01	1,02E-01	8,26E-02	1,21E-01		1,24E-01	1,18E-01
0,9167	4,01E-02	6,82E-02	1,08E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
0,9583	4,01E-02	6,82E-02	1,08E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1	4,01E-02	6,82E-02	1,08E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,083	4,01E-02	6,82E-02	1,08E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,167	4,02E-02	6,83E-02	1,08E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,25	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,333	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,417	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,5	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,667	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
1,833	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
2	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
3	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
4	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
5	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
6	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
7	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
8	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
9	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
10	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
11	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
12	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
13	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
14	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
15	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
16	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
17	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
18	4,02E-02	6,83E-02	1,09E-01	1,02E-01	8,27E-02	1,21E-01		1,24E-01	1,18E-01
Eff. Dosis	5,3E-11	7,0E-11	9,7E-11	8,4E-11	1,8E-10	3,3E-10		2,8E-10	2,5E-10
Gebärmutter	4,0E-12	1,3E-11	2,4E-11	2,4E-11	4,5E-11	5,8E-11		5,0E-11	6,5E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-133								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,21E-02	2,08E-02	3,33E-02	3,14E-02	1,21E-02	2,09E-02	3,34E-02	3,15E-02
0,08333	2,34E-02	4,04E-02	6,46E-02	6,10E-02	2,38E-02	4,08E-02	6,52E-02	6,15E-02
0,125	3,38E-02	5,86E-02	9,40E-02	8,87E-02	3,50E-02	5,99E-02	9,55E-02	9,01E-02
0,1667	4,34E-02	7,55E-02	1,21E-01	1,15E-01	4,57E-02	7,81E-02	1,25E-01	1,17E-01
0,2083	5,21E-02	9,11E-02	1,47E-01	1,38E-01	5,60E-02	9,56E-02	1,52E-01	1,43E-01
0,25	6,01E-02	1,05E-01	1,70E-01	1,61E-01	6,59E-02	1,12E-01	1,79E-01	1,68E-01
0,2917	6,74E-02	1,19E-01	1,91E-01	1,81E-01	7,54E-02	1,28E-01	2,04E-01	1,92E-01
0,3333	7,41E-02	1,31E-01	2,11E-01	2,00E-01	8,45E-02	1,43E-01	2,28E-01	2,14E-01
0,375	8,02E-02	1,42E-01	2,30E-01	2,18E-01	9,32E-02	1,58E-01	2,51E-01	2,36E-01
0,4167	8,58E-02	1,52E-01	2,47E-01	2,34E-01	1,02E-01	1,72E-01	2,72E-01	2,56E-01
0,4583	9,09E-02	1,62E-01	2,63E-01	2,49E-01	1,10E-01	1,85E-01	2,93E-01	2,76E-01
0,5	9,57E-02	1,71E-01	2,77E-01	2,63E-01	1,17E-01	1,98E-01	3,13E-01	2,94E-01
0,5417	1,00E-01	1,79E-01	2,91E-01	2,75E-01	1,24E-01	2,10E-01	3,32E-01	3,12E-01
0,5833	1,04E-01	1,86E-01	3,03E-01	2,87E-01	1,32E-01	2,21E-01	3,50E-01	3,29E-01
0,625	1,08E-01	1,93E-01	3,15E-01	2,98E-01	1,38E-01	2,32E-01	3,67E-01	3,45E-01
0,6667	1,11E-01	2,00E-01	3,26E-01	3,09E-01	1,45E-01	2,43E-01	3,83E-01	3,60E-01
0,7083	1,15E-01	2,06E-01	3,36E-01	3,18E-01	1,51E-01	2,52E-01	3,98E-01	3,75E-01
0,75	1,18E-01	2,12E-01	3,45E-01	3,27E-01	1,57E-01	2,62E-01	4,13E-01	3,88E-01
0,7917	1,21E-01	2,17E-01	3,54E-01	3,36E-01	1,62E-01	2,71E-01	4,27E-01	4,01E-01
0,8333	1,23E-01	2,22E-01	3,62E-01	3,43E-01	1,68E-01	2,80E-01	4,40E-01	4,14E-01
0,875	1,26E-01	2,27E-01	3,70E-01	3,51E-01	1,73E-01	2,88E-01	4,53E-01	4,25E-01
0,9167	1,28E-01	2,31E-01	3,77E-01	3,57E-01	1,78E-01	2,96E-01	4,65E-01	4,37E-01
0,9583	1,30E-01	2,35E-01	3,83E-01	3,64E-01	1,83E-01	3,03E-01	4,76E-01	4,47E-01
1	1,33E-01	2,39E-01	3,90E-01	3,70E-01	1,87E-01	3,10E-01	4,87E-01	4,57E-01
1,083	1,36E-01	2,46E-01	4,01E-01	3,81E-01	1,96E-01	3,23E-01	5,07E-01	4,76E-01
1,167	1,40E-01	2,52E-01	4,11E-01	3,90E-01	2,03E-01	3,35E-01	5,24E-01	4,92E-01
1,25	1,43E-01	2,58E-01	4,21E-01	3,99E-01	2,11E-01	3,46E-01	5,40E-01	5,07E-01
1,333	1,46E-01	2,63E-01	4,29E-01	4,07E-01	2,17E-01	3,55E-01	5,54E-01	5,20E-01
1,417	1,49E-01	2,68E-01	4,36E-01	4,14E-01	2,23E-01	3,64E-01	5,67E-01	5,31E-01
1,5	1,51E-01	2,72E-01	4,43E-01	4,20E-01	2,29E-01	3,72E-01	5,78E-01	5,42E-01
1,667	1,56E-01	2,79E-01	4,55E-01	4,31E-01	2,39E-01	3,85E-01	5,97E-01	5,59E-01
1,833	1,59E-01	2,85E-01	4,64E-01	4,40E-01	2,47E-01	3,96E-01	6,12E-01	5,72E-01
2	1,62E-01	2,91E-01	4,73E-01	4,48E-01	2,54E-01	4,05E-01	6,23E-01	5,83E-01
3	1,74E-01	3,10E-01	5,03E-01	4,76E-01	2,78E-01	4,32E-01	6,56E-01	6,10E-01
4	1,80E-01	3,18E-01	5,16E-01	4,88E-01	2,88E-01	4,41E-01	6,64E-01	6,17E-01
5	1,82E-01	3,22E-01	5,22E-01	4,94E-01	2,93E-01	4,44E-01	6,67E-01	6,19E-01
6	1,83E-01	3,24E-01	5,24E-01	4,96E-01	2,94E-01	4,46E-01	6,68E-01	6,20E-01
7	1,84E-01	3,25E-01	5,25E-01	4,97E-01	2,95E-01	4,46E-01	6,68E-01	6,20E-01
8	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
9	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
10	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
11	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
12	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
13	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
14	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
15	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
16	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
17	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
18	1,84E-01	3,25E-01	5,26E-01	4,98E-01	2,96E-01	4,47E-01	6,69E-01	6,20E-01
Eff. Dosis	8,4E-10	1,3E-09	1,9E-09	1,8E-09	3,6E-10	4,3E-10	5,7E-10	5,1E-10
Gebärmutter	1,9E-11	2,9E-11	4,3E-11	4,0E-11	2,2E-11	6,2E-11	1,2E-10	1,1E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

I-133									
Zeit (d)	Inhalation Typ S				Inhalation Gas/Dampf		Ingestion	Injektion	
	0,3 µm	1,0 µm	5 µm	10 µm	Methyli., Ethyli.	Elementares Iod, alle unbest. Verb.			
0,04167	1,21E-02	2,09E-02	3,34E-02	3,15E-02	2,84E-02	4,08E-02	4,09E-02	4,05E-02	
0,08333	2,38E-02	4,08E-02	6,52E-02	6,15E-02	5,47E-02	7,90E-02	7,98E-02	7,81E-02	
0,125	3,50E-02	5,99E-02	9,56E-02	9,01E-02	7,87E-02	1,14E-01	1,16E-01	1,13E-01	
0,1667	4,58E-02	7,82E-02	1,25E-01	1,17E-01	1,01E-01	1,46E-01	1,50E-01	1,44E-01	
0,2083	5,62E-02	9,58E-02	1,52E-01	1,44E-01	1,20E-01	1,76E-01	1,80E-01	1,72E-01	
0,25	6,62E-02	1,13E-01	1,79E-01	1,69E-01	1,38E-01	2,02E-01	2,08E-01	1,97E-01	
0,2917	7,58E-02	1,29E-01	2,04E-01	1,93E-01	1,54E-01	2,26E-01	2,33E-01	2,20E-01	
0,3333	8,51E-02	1,44E-01	2,29E-01	2,15E-01	1,69E-01	2,47E-01	2,56E-01	2,41E-01	
0,375	9,40E-02	1,59E-01	2,52E-01	2,37E-01	1,82E-01	2,67E-01	2,76E-01	2,60E-01	
0,4167	1,03E-01	1,73E-01	2,75E-01	2,58E-01	1,94E-01	2,85E-01	2,95E-01	2,77E-01	
0,4583	1,11E-01	1,87E-01	2,96E-01	2,78E-01	2,05E-01	3,01E-01	3,12E-01	2,93E-01	
0,5	1,19E-01	2,00E-01	3,16E-01	2,98E-01	2,15E-01	3,16E-01	3,28E-01	3,08E-01	
0,5417	1,27E-01	2,13E-01	3,36E-01	3,16E-01	2,25E-01	3,30E-01	3,42E-01	3,21E-01	
0,5833	1,34E-01	2,25E-01	3,55E-01	3,34E-01	2,33E-01	3,43E-01	3,56E-01	3,33E-01	
0,625	1,41E-01	2,36E-01	3,73E-01	3,51E-01	2,41E-01	3,55E-01	3,68E-01	3,45E-01	
0,6667	1,48E-01	2,47E-01	3,90E-01	3,67E-01	2,49E-01	3,66E-01	3,79E-01	3,56E-01	
0,7083	1,55E-01	2,58E-01	4,07E-01	3,82E-01	2,56E-01	3,76E-01	3,90E-01	3,66E-01	
0,75	1,61E-01	2,68E-01	4,22E-01	3,97E-01	2,63E-01	3,86E-01	4,00E-01	3,75E-01	
0,7917	1,67E-01	2,78E-01	4,37E-01	4,11E-01	2,69E-01	3,95E-01	4,09E-01	3,84E-01	
0,8333	1,73E-01	2,87E-01	4,52E-01	4,24E-01	2,75E-01	4,03E-01	4,18E-01	3,92E-01	
0,875	1,79E-01	2,96E-01	4,65E-01	4,37E-01	2,80E-01	4,11E-01	4,26E-01	4,00E-01	
0,9167	1,84E-01	3,05E-01	4,78E-01	4,49E-01	2,85E-01	4,19E-01	4,34E-01	4,08E-01	
0,9583	1,89E-01	3,13E-01	4,90E-01	4,60E-01	2,90E-01	4,26E-01	4,41E-01	4,15E-01	
1	1,94E-01	3,21E-01	5,02E-01	4,71E-01	2,95E-01	4,33E-01	4,48E-01	4,22E-01	
1,083	2,04E-01	3,35E-01	5,24E-01	4,91E-01	3,04E-01	4,45E-01	4,61E-01	4,34E-01	
1,167	2,13E-01	3,48E-01	5,43E-01	5,09E-01	3,12E-01	4,57E-01	4,73E-01	4,46E-01	
1,25	2,21E-01	3,60E-01	5,61E-01	5,26E-01	3,19E-01	4,68E-01	4,84E-01	4,56E-01	
1,333	2,28E-01	3,71E-01	5,77E-01	5,40E-01	3,26E-01	4,77E-01	4,94E-01	4,66E-01	
1,417	2,35E-01	3,80E-01	5,91E-01	5,53E-01	3,32E-01	4,86E-01	5,03E-01	4,75E-01	
1,5	2,41E-01	3,89E-01	6,03E-01	5,64E-01	3,38E-01	4,95E-01	5,11E-01	4,83E-01	
1,667	2,52E-01	4,04E-01	6,24E-01	5,83E-01	3,49E-01	5,10E-01	5,26E-01	4,98E-01	
1,833	2,62E-01	4,16E-01	6,40E-01	5,98E-01	3,58E-01	5,23E-01	5,39E-01	5,11E-01	
2	2,70E-01	4,26E-01	6,53E-01	6,09E-01	3,66E-01	5,34E-01	5,50E-01	5,22E-01	
3	2,98E-01	4,55E-01	6,86E-01	6,38E-01	3,95E-01	5,76E-01	5,93E-01	5,65E-01	
4	3,09E-01	4,64E-01	6,94E-01	6,43E-01	4,09E-01	5,95E-01	6,12E-01	5,84E-01	
5	3,13E-01	4,68E-01	6,96E-01	6,44E-01	4,15E-01	6,04E-01	6,20E-01	5,93E-01	
6	3,15E-01	4,69E-01	6,96E-01	6,44E-01	4,17E-01	6,08E-01	6,24E-01	5,96E-01	
7	3,16E-01	4,70E-01	6,97E-01	6,45E-01	4,19E-01	6,10E-01	6,26E-01	5,98E-01	
8	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,19E-01	6,10E-01	6,26E-01	5,99E-01	
9	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,19E-01	6,11E-01	6,27E-01	5,99E-01	
10	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
11	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
12	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
13	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
14	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
15	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
16	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
17	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
18	3,17E-01	4,70E-01	6,97E-01	6,45E-01	4,20E-01	6,11E-01	6,27E-01	5,99E-01	
Eff. Dosis	2,5E-10	2,5E-10	2,8E-10	2,3E-10	2,3E-09	3,3E-09	3,2E-09	3,2E-09	
Gebärmutter	2,26E-11	6,9E-11	1,3E-10	1,3E-10	5,2E-11	7,4E-11	7,4E-11	7,4E-11	

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cs-134								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,76E-01	4,60E-01	7,23E-01	6,79E-01	2,80E-01	4,60E-01	7,18E-01	6,74E-01
2	5,36E-01	8,79E-01	1,37E+00	1,29E+00	5,25E-01	8,07E-01	1,22E+00	1,13E+00
3	7,90E-01	1,29E+00	2,00E+00	1,87E+00	7,36E-01	1,05E+00	1,53E+00	1,40E+00
3,5	9,15E-01	1,49E+00	2,31E+00	2,16E+00	8,35E-01	1,16E+00	1,64E+00	1,50E+00
4	1,04E+00	1,69E+00	2,62E+00	2,45E+00	9,30E-01	1,25E+00	1,74E+00	1,58E+00
5	1,29E+00	2,08E+00	3,23E+00	3,02E+00	1,12E+00	1,43E+00	1,93E+00	1,73E+00
6	1,53E+00	2,47E+00	3,83E+00	3,58E+00	1,30E+00	1,60E+00	2,10E+00	1,87E+00
7	1,77E+00	2,86E+00	4,43E+00	4,14E+00	1,48E+00	1,77E+00	2,27E+00	2,01E+00
8	2,01E+00	3,24E+00	5,02E+00	4,69E+00	1,65E+00	1,94E+00	2,44E+00	2,15E+00
9	2,25E+00	3,62E+00	5,60E+00	5,24E+00	1,83E+00	2,11E+00	2,61E+00	2,28E+00
10	2,48E+00	4,00E+00	6,18E+00	5,78E+00	2,00E+00	2,28E+00	2,77E+00	2,41E+00
11	2,72E+00	4,37E+00	6,76E+00	6,32E+00	2,17E+00	2,44E+00	2,93E+00	2,54E+00
12	2,95E+00	4,74E+00	7,33E+00	6,85E+00	2,34E+00	2,60E+00	3,10E+00	2,68E+00
13	3,17E+00	5,10E+00	7,89E+00	7,38E+00	2,51E+00	2,77E+00	3,26E+00	2,80E+00
14	3,40E+00	5,47E+00	8,45E+00	7,90E+00	2,68E+00	2,93E+00	3,42E+00	2,93E+00
15	3,63E+00	5,83E+00	9,01E+00	8,42E+00	2,85E+00	3,09E+00	3,58E+00	3,06E+00
20	4,72E+00	7,58E+00	1,17E+01	1,10E+01	3,66E+00	3,87E+00	4,35E+00	3,68E+00
30	6,78E+00	1,09E+01	1,68E+01	1,57E+01	5,24E+00	5,37E+00	5,82E+00	4,85E+00
40	8,68E+00	1,39E+01	2,15E+01	2,01E+01	6,73E+00	6,78E+00	7,18E+00	5,94E+00
45	9,58E+00	1,54E+01	2,37E+01	2,21E+01	7,45E+00	7,46E+00	7,83E+00	6,45E+00
50	1,04E+01	1,67E+01	2,58E+01	2,41E+01	8,15E+00	8,11E+00	8,46E+00	6,94E+00
60	1,20E+01	1,93E+01	2,98E+01	2,78E+01	9,50E+00	9,37E+00	9,65E+00	7,88E+00
70	1,35E+01	2,17E+01	3,35E+01	3,13E+01	1,08E+01	1,06E+01	1,08E+01	8,75E+00
80	1,49E+01	2,39E+01	3,68E+01	3,44E+01	1,20E+01	1,17E+01	1,18E+01	9,55E+00
90	1,62E+01	2,59E+01	3,99E+01	3,73E+01	1,32E+01	1,27E+01	1,28E+01	1,03E+01
100	1,73E+01	2,77E+01	4,28E+01	4,00E+01	1,42E+01	1,37E+01	1,37E+01	1,10E+01
120	1,94E+01	3,10E+01	4,79E+01	4,47E+01	1,63E+01	1,55E+01	1,53E+01	1,22E+01
180	2,38E+01	3,82E+01	5,89E+01	5,50E+01	2,11E+01	1,98E+01	1,90E+01	1,50E+01
200	2,49E+01	3,99E+01	6,15E+01	5,75E+01	2,24E+01	2,09E+01	1,99E+01	1,57E+01
300	2,82E+01	4,52E+01	6,98E+01	6,52E+01	2,69E+01	2,48E+01	2,30E+01	1,79E+01
360	2,93E+01	4,68E+01	7,23E+01	6,75E+01	2,86E+01	2,62E+01	2,41E+01	1,86E+01
365	2,93E+01	4,69E+01	7,25E+01	6,77E+01	2,87E+01	2,63E+01	2,41E+01	1,87E+01
400	2,97E+01	4,76E+01	7,34E+01	6,86E+01	2,94E+01	2,69E+01	2,46E+01	1,90E+01
500	3,04E+01	4,86E+01	7,50E+01	7,01E+01	3,08E+01	2,79E+01	2,53E+01	1,95E+01
600	3,07E+01	4,91E+01	7,58E+01	7,08E+01	3,15E+01	2,85E+01	2,57E+01	1,97E+01
700	3,08E+01	4,93E+01	7,61E+01	7,11E+01	3,19E+01	2,88E+01	2,59E+01	1,99E+01
800	3,09E+01	4,94E+01	7,62E+01	7,12E+01	3,21E+01	2,90E+01	2,60E+01	1,99E+01
900	3,09E+01	4,94E+01	7,63E+01	7,13E+01	3,22E+01	2,91E+01	2,61E+01	2,00E+01
1000	3,09E+01	4,95E+01	7,64E+01	7,13E+01	3,22E+01	2,91E+01	2,61E+01	2,00E+01
2000	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
3000	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
4000	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
5000	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
6000	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
8000	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
10000	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
13500	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
14600	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
18250	3,09E+01	4,95E+01	7,64E+01	7,14E+01	3,23E+01	2,92E+01	2,61E+01	2,00E+01
Eff. Dosis	3,8E-09	6,1E-09	9,5E-09	8,9E-09	1,1E-08	8,4E-09	6,0E-09	3,9E-09
Gebärmutter	4,8E-09	7,7E-09	1,2E-08	1,1E-08	2,8E-09	3,2E-09	3,8E-09	3,3E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cs-134							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=1	fA=0,1	
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,68E-01	9,42E-01	9,66E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,90E+00	1,51E+00	1,90E+00
3	7,23E-01	1,00E+00	1,42E+00	1,30E+00	2,81E+00	1,76E+00	2,82E+00
3,5	8,14E-01	1,08E+00	1,49E+00	1,35E+00	3,26E+00	1,83E+00	3,27E+00
4	9,02E-01	1,15E+00	1,54E+00	1,39E+00	3,71E+00	1,89E+00	3,73E+00
5	1,07E+00	1,27E+00	1,62E+00	1,43E+00	4,59E+00	1,99E+00	4,62E+00
6	1,24E+00	1,39E+00	1,69E+00	1,47E+00	5,47E+00	2,08E+00	5,50E+00
7	1,40E+00	1,51E+00	1,75E+00	1,50E+00	6,34E+00	2,17E+00	6,38E+00
8	1,55E+00	1,62E+00	1,81E+00	1,53E+00	7,19E+00	2,25E+00	7,24E+00
9	1,71E+00	1,74E+00	1,87E+00	1,56E+00	8,04E+00	2,34E+00	8,10E+00
10	1,86E+00	1,85E+00	1,94E+00	1,59E+00	8,89E+00	2,42E+00	8,95E+00
11	2,02E+00	1,96E+00	2,00E+00	1,62E+00	9,72E+00	2,51E+00	9,80E+00
12	2,17E+00	2,07E+00	2,06E+00	1,65E+00	1,06E+01	2,59E+00	1,06E+01
13	2,32E+00	2,18E+00	2,11E+00	1,68E+00	1,14E+01	2,68E+00	1,15E+01
14	2,47E+00	2,29E+00	2,17E+00	1,71E+00	1,22E+01	2,76E+00	1,23E+01
15	2,62E+00	2,39E+00	2,23E+00	1,74E+00	1,30E+01	2,84E+00	1,31E+01
20	3,34E+00	2,93E+00	2,52E+00	1,89E+00	1,69E+01	3,24E+00	1,71E+01
30	4,76E+00	3,96E+00	3,08E+00	2,16E+00	2,43E+01	3,99E+00	2,46E+01
40	6,13E+00	4,96E+00	3,61E+00	2,43E+00	3,12E+01	4,68E+00	3,14E+01
45	6,80E+00	5,45E+00	3,88E+00	2,56E+00	3,44E+01	5,00E+00	3,47E+01
50	7,46E+00	5,93E+00	4,13E+00	2,68E+00	3,74E+01	5,31E+00	3,78E+01
60	8,75E+00	6,88E+00	4,64E+00	2,93E+00	4,32E+01	5,90E+00	4,36E+01
70	1,00E+01	7,79E+00	5,12E+00	3,17E+00	4,86E+01	6,44E+00	4,90E+01
80	1,12E+01	8,68E+00	5,59E+00	3,40E+00	5,35E+01	6,93E+00	5,40E+01
90	1,24E+01	9,55E+00	6,05E+00	3,62E+00	5,80E+01	7,39E+00	5,85E+01
100	1,36E+01	1,04E+01	6,49E+00	3,83E+00	6,21E+01	7,81E+00	6,27E+01
120	1,58E+01	1,20E+01	7,34E+00	4,24E+00	6,95E+01	8,55E+00	7,02E+01
180	2,17E+01	1,63E+01	9,58E+00	5,31E+00	8,55E+01	1,02E+01	8,64E+01
200	2,35E+01	1,76E+01	1,03E+01	5,63E+00	8,94E+01	1,06E+01	9,02E+01
300	3,11E+01	2,31E+01	1,31E+01	6,96E+00	1,01E+02	1,18E+01	1,02E+02
360	3,49E+01	2,58E+01	1,45E+01	7,61E+00	1,05E+02	1,21E+01	1,06E+02
365	3,52E+01	2,60E+01	1,46E+01	7,66E+00	1,05E+02	1,22E+01	1,06E+02
400	3,71E+01	2,74E+01	1,53E+01	7,99E+00	1,07E+02	1,23E+01	1,08E+02
500	4,20E+01	3,09E+01	1,71E+01	8,81E+00	1,09E+02	1,26E+01	1,10E+02
600	4,59E+01	3,38E+01	1,86E+01	9,48E+00	1,10E+02	1,27E+01	1,11E+02
700	4,92E+01	3,62E+01	1,98E+01	1,00E+01	1,11E+02	1,27E+01	1,12E+02
800	5,21E+01	3,82E+01	2,08E+01	1,05E+01	1,11E+02	1,27E+01	1,12E+02
900	5,45E+01	4,00E+01	2,17E+01	1,09E+01	1,11E+02	1,27E+01	1,12E+02
1000	5,66E+01	4,15E+01	2,25E+01	1,13E+01	1,11E+02	1,27E+01	1,12E+02
2000	6,83E+01	4,99E+01	2,68E+01	1,33E+01	1,11E+02	1,28E+01	1,12E+02
3000	7,24E+01	5,29E+01	2,83E+01	1,40E+01	1,11E+02	1,28E+01	1,12E+02
4000	7,38E+01	5,39E+01	2,88E+01	1,42E+01	1,11E+02	1,28E+01	1,12E+02
5000	7,44E+01	5,43E+01	2,90E+01	1,43E+01	1,11E+02	1,28E+01	1,12E+02
6000	7,45E+01	5,45E+01	2,91E+01	1,43E+01	1,11E+02	1,28E+01	1,12E+02
8000	7,46E+01	5,45E+01	2,91E+01	1,43E+01	1,11E+02	1,28E+01	1,12E+02
10000	7,47E+01	5,45E+01	2,91E+01	1,43E+01	1,11E+02	1,28E+01	1,12E+02
13500	7,47E+01	5,45E+01	2,91E+01	1,43E+01	1,11E+02	1,28E+01	1,12E+02
14600	7,47E+01	5,45E+01	2,91E+01	1,43E+01	1,11E+02	1,28E+01	1,12E+02
18250	7,47E+01	5,45E+01	2,91E+01	1,43E+01	1,11E+02	1,28E+01	1,12E+02
Eff. Dosis	3,8E-08	2,8E-08	1,5E-08	7,4E-09	1,4E-08	2,0E-09	1,4E-08
Gebärmutter	8,5E-10	1,0E-09	1,3E-09	1,2E-09	1,7E-08	3,1E-09	1,7E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cs-137								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,60E-01	4,33E-01	6,81E-01	6,39E-01	2,64E-01	4,33E-01	6,77E-01	6,34E-01
2	5,06E-01	8,29E-01	1,30E+00	1,21E+00	4,95E-01	7,61E-01	1,15E+00	1,07E+00
3	7,46E-01	1,21E+00	1,89E+00	1,77E+00	6,95E-01	9,93E-01	1,44E+00	1,33E+00
3,5	8,64E-01	1,40E+00	2,18E+00	2,04E+00	7,88E-01	1,09E+00	1,55E+00	1,42E+00
4	9,82E-01	1,59E+00	2,47E+00	2,32E+00	8,79E-01	1,18E+00	1,65E+00	1,50E+00
5	1,22E+00	1,97E+00	3,05E+00	2,86E+00	1,06E+00	1,35E+00	1,82E+00	1,64E+00
6	1,45E+00	2,34E+00	3,62E+00	3,39E+00	1,23E+00	1,52E+00	1,98E+00	1,77E+00
7	1,68E+00	2,70E+00	4,19E+00	3,92E+00	1,40E+00	1,68E+00	2,15E+00	1,90E+00
8	1,90E+00	3,07E+00	4,75E+00	4,44E+00	1,57E+00	1,84E+00	2,31E+00	2,03E+00
9	2,13E+00	3,43E+00	5,31E+00	4,96E+00	1,73E+00	2,00E+00	2,46E+00	2,16E+00
10	2,35E+00	3,79E+00	5,86E+00	5,48E+00	1,90E+00	2,15E+00	2,62E+00	2,28E+00
11	2,57E+00	4,14E+00	6,41E+00	5,99E+00	2,06E+00	2,31E+00	2,78E+00	2,41E+00
12	2,79E+00	4,49E+00	6,95E+00	6,50E+00	2,22E+00	2,47E+00	2,93E+00	2,53E+00
13	3,01E+00	4,84E+00	7,49E+00	7,00E+00	2,38E+00	2,62E+00	3,09E+00	2,66E+00
14	3,23E+00	5,19E+00	8,02E+00	7,50E+00	2,54E+00	2,77E+00	3,24E+00	2,78E+00
15	3,44E+00	5,53E+00	8,55E+00	7,99E+00	2,70E+00	2,93E+00	3,39E+00	2,90E+00
20	4,49E+00	7,21E+00	1,12E+01	1,04E+01	3,49E+00	3,68E+00	4,13E+00	3,49E+00
30	6,48E+00	1,04E+01	1,61E+01	1,50E+01	5,00E+00	5,12E+00	5,54E+00	4,62E+00
40	8,33E+00	1,34E+01	2,06E+01	1,93E+01	6,45E+00	6,50E+00	6,88E+00	5,68E+00
45	9,20E+00	1,48E+01	2,28E+01	2,13E+01	7,16E+00	7,16E+00	7,51E+00	6,18E+00
50	1,00E+01	1,61E+01	2,49E+01	2,32E+01	7,85E+00	7,81E+00	8,13E+00	6,67E+00
60	1,16E+01	1,86E+01	2,88E+01	2,69E+01	9,18E+00	9,05E+00	9,31E+00	7,59E+00
70	1,31E+01	2,10E+01	3,25E+01	3,03E+01	1,05E+01	1,02E+01	1,04E+01	8,46E+00
80	1,45E+01	2,32E+01	3,58E+01	3,35E+01	1,17E+01	1,14E+01	1,15E+01	9,27E+00
90	1,58E+01	2,53E+01	3,90E+01	3,64E+01	1,29E+01	1,24E+01	1,24E+01	1,00E+01
100	1,70E+01	2,72E+01	4,19E+01	3,92E+01	1,40E+01	1,35E+01	1,34E+01	1,07E+01
120	1,91E+01	3,06E+01	4,72E+01	4,41E+01	1,61E+01	1,53E+01	1,50E+01	1,20E+01
180	2,39E+01	3,82E+01	5,90E+01	5,51E+01	2,13E+01	1,99E+01	1,90E+01	1,50E+01
200	2,51E+01	4,01E+01	6,19E+01	5,78E+01	2,27E+01	2,12E+01	2,00E+01	1,58E+01
300	2,89E+01	4,63E+01	7,15E+01	6,68E+01	2,80E+01	2,57E+01	2,37E+01	1,83E+01
360	3,02E+01	4,84E+01	7,47E+01	6,98E+01	3,01E+01	2,74E+01	2,50E+01	1,93E+01
365	3,03E+01	4,85E+01	7,49E+01	6,99E+01	3,02E+01	2,75E+01	2,51E+01	1,93E+01
400	3,08E+01	4,93E+01	7,61E+01	7,11E+01	3,12E+01	2,83E+01	2,56E+01	1,97E+01
500	3,17E+01	5,08E+01	7,84E+01	7,32E+01	3,30E+01	2,98E+01	2,67E+01	2,04E+01
600	3,22E+01	5,15E+01	7,95E+01	7,42E+01	3,41E+01	3,06E+01	2,73E+01	2,08E+01
700	3,24E+01	5,18E+01	8,00E+01	7,47E+01	3,47E+01	3,11E+01	2,76E+01	2,10E+01
800	3,25E+01	5,20E+01	8,03E+01	7,50E+01	3,51E+01	3,14E+01	2,78E+01	2,11E+01
900	3,25E+01	5,21E+01	8,04E+01	7,51E+01	3,53E+01	3,16E+01	2,79E+01	2,11E+01
1000	3,26E+01	5,21E+01	8,05E+01	7,52E+01	3,54E+01	3,17E+01	2,79E+01	2,12E+01
2000	3,26E+01	5,22E+01	8,06E+01	7,53E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
3000	3,26E+01	5,23E+01	8,07E+01	7,53E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
4000	3,26E+01	5,23E+01	8,07E+01	7,53E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
5000	3,26E+01	5,23E+01	8,07E+01	7,54E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
6000	3,26E+01	5,23E+01	8,07E+01	7,54E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
8000	3,26E+01	5,23E+01	8,07E+01	7,54E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
10000	3,26E+01	5,23E+01	8,07E+01	7,54E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
13500	3,26E+01	5,23E+01	8,07E+01	7,54E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
14600	3,26E+01	5,23E+01	8,07E+01	7,54E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
18250	3,26E+01	5,23E+01	8,07E+01	7,54E+01	3,56E+01	3,18E+01	2,80E+01	2,12E+01
Eff. Dosis	3,8E-09	6,0E-09	9,3E-09	8,7E-09	1,0E-08	7,9E-09	5,7E-09	3,7E-09
Gebärmutter	2,1E-09	3,3E-09	5,1E-09	4,7E-09	1,3E-09	1,4E-09	1,6E-09	1,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cs-137							
Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=1	fA=0,1	
1	2,65E-01	4,33E-01	6,76E-01	6,34E-01	9,11E-01	8,87E-01	9,10E-01
2	4,93E-01	7,47E-01	1,12E+00	1,04E+00	1,79E+00	1,42E+00	1,79E+00
3	6,83E-01	9,44E-01	1,34E+00	1,23E+00	2,65E+00	1,66E+00	2,66E+00
3,5	7,69E-01	1,02E+00	1,41E+00	1,27E+00	3,08E+00	1,73E+00	3,09E+00
4	8,52E-01	1,08E+00	1,45E+00	1,31E+00	3,50E+00	1,78E+00	3,52E+00
5	1,01E+00	1,20E+00	1,53E+00	1,35E+00	4,34E+00	1,88E+00	4,37E+00
6	1,17E+00	1,32E+00	1,59E+00	1,38E+00	5,17E+00	1,96E+00	5,20E+00
7	1,32E+00	1,43E+00	1,65E+00	1,42E+00	6,00E+00	2,05E+00	6,04E+00
8	1,47E+00	1,53E+00	1,71E+00	1,45E+00	6,81E+00	2,13E+00	6,86E+00
9	1,62E+00	1,64E+00	1,77E+00	1,48E+00	7,62E+00	2,21E+00	7,68E+00
10	1,77E+00	1,75E+00	1,83E+00	1,50E+00	8,42E+00	2,29E+00	8,49E+00
11	1,91E+00	1,85E+00	1,89E+00	1,53E+00	9,22E+00	2,37E+00	9,29E+00
12	2,06E+00	1,96E+00	1,94E+00	1,56E+00	1,00E+01	2,45E+00	1,01E+01
13	2,20E+00	2,06E+00	2,00E+00	1,59E+00	1,08E+01	2,53E+00	1,09E+01
14	2,34E+00	2,17E+00	2,06E+00	1,62E+00	1,16E+01	2,61E+00	1,17E+01
15	2,48E+00	2,27E+00	2,11E+00	1,65E+00	1,23E+01	2,69E+00	1,24E+01
20	3,18E+00	2,78E+00	2,39E+00	1,78E+00	1,61E+01	3,07E+00	1,63E+01
30	4,54E+00	3,78E+00	2,92E+00	2,05E+00	2,33E+01	3,79E+00	2,35E+01
40	5,88E+00	4,75E+00	3,45E+00	2,31E+00	2,99E+01	4,46E+00	3,02E+01
45	6,53E+00	5,23E+00	3,70E+00	2,44E+00	3,30E+01	4,78E+00	3,33E+01
50	7,18E+00	5,71E+00	3,96E+00	2,56E+00	3,61E+01	5,08E+00	3,64E+01
60	8,46E+00	6,64E+00	4,45E+00	2,80E+00	4,18E+01	5,66E+00	4,22E+01
70	9,71E+00	7,55E+00	4,94E+00	3,04E+00	4,71E+01	6,20E+00	4,75E+01
80	1,09E+01	8,45E+00	5,41E+00	3,27E+00	5,20E+01	6,70E+00	5,25E+01
90	1,21E+01	9,32E+00	5,88E+00	3,50E+00	5,66E+01	7,16E+00	5,72E+01
100	1,33E+01	1,02E+01	6,33E+00	3,72E+00	6,09E+01	7,60E+00	6,15E+01
120	1,56E+01	1,19E+01	7,21E+00	4,14E+00	6,85E+01	8,37E+00	6,92E+01
180	2,20E+01	1,65E+01	9,62E+00	5,29E+00	8,57E+01	1,01E+01	8,65E+01
200	2,40E+01	1,79E+01	1,04E+01	5,64E+00	8,99E+01	1,05E+01	9,08E+01
300	3,29E+01	2,44E+01	1,37E+01	7,20E+00	1,04E+02	1,20E+01	1,05E+02
360	3,76E+01	2,78E+01	1,54E+01	8,01E+00	1,09E+02	1,24E+01	1,10E+02
365	3,80E+01	2,80E+01	1,56E+01	8,07E+00	1,09E+02	1,24E+01	1,10E+02
400	4,05E+01	2,99E+01	1,65E+01	8,51E+00	1,11E+02	1,26E+01	1,12E+02
500	4,72E+01	3,47E+01	1,90E+01	9,64E+00	1,14E+02	1,30E+01	1,15E+02
600	5,32E+01	3,91E+01	2,12E+01	1,07E+01	1,15E+02	1,31E+01	1,17E+02
700	5,87E+01	4,30E+01	2,32E+01	1,16E+01	1,16E+02	1,32E+01	1,17E+02
800	6,38E+01	4,67E+01	2,51E+01	1,24E+01	1,17E+02	1,32E+01	1,18E+02
900	6,85E+01	5,01E+01	2,68E+01	1,32E+01	1,17E+02	1,33E+01	1,18E+02
1000	7,30E+01	5,33E+01	2,85E+01	1,40E+01	1,17E+02	1,33E+01	1,18E+02
2000	1,11E+02	8,08E+01	4,25E+01	2,05E+01	1,17E+02	1,33E+01	1,18E+02
3000	1,43E+02	1,04E+02	5,40E+01	2,58E+01	1,17E+02	1,33E+01	1,18E+02
4000	1,69E+02	1,23E+02	6,38E+01	3,03E+01	1,17E+02	1,33E+01	1,18E+02
5000	1,92E+02	1,39E+02	7,22E+01	3,42E+01	1,17E+02	1,33E+01	1,18E+02
6000	2,11E+02	1,53E+02	7,92E+01	3,74E+01	1,17E+02	1,33E+01	1,18E+02
8000	2,41E+02	1,75E+02	9,04E+01	4,25E+01	1,17E+02	1,33E+01	1,18E+02
10000	2,63E+02	1,90E+02	9,84E+01	4,62E+01	1,17E+02	1,33E+01	1,18E+02
13500	2,87E+02	2,08E+02	1,07E+02	5,04E+01	1,17E+02	1,33E+01	1,18E+02
14600	2,93E+02	2,12E+02	1,09E+02	5,13E+01	1,17E+02	1,33E+01	1,18E+02
18250	2,93E+02	2,12E+02	1,09E+02	5,13E+01	1,17E+02	1,33E+01	1,18E+02
Eff. Dosis	1,3E-07	9,8E-08	5,1E-08	2,4E-08	1,4E-08	1,7E-09	1,4E-08
Gebärmutter	9,0E-10	8,1E-10	7,1E-10	5,4E-10	7,4E-09	1,3E-09	7,5E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ba-133

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,67E-01	4,49E-01	7,09E-01	6,67E-01	2,79E-01	4,59E-01	7,17E-01	6,73E-01
2	4,58E-01	7,53E-01	1,18E+00	1,11E+00	5,13E-01	7,86E-01	1,19E+00	1,10E+00
3	5,77E-01	9,26E-01	1,43E+00	1,34E+00	6,98E-01	9,85E-01	1,42E+00	1,30E+00
3,5	6,21E-01	9,82E-01	1,51E+00	1,41E+00	7,80E-01	1,06E+00	1,48E+00	1,35E+00
4	6,58E-01	1,03E+00	1,57E+00	1,46E+00	8,57E-01	1,12E+00	1,53E+00	1,39E+00
5	7,18E-01	1,10E+00	1,66E+00	1,54E+00	1,00E+00	1,23E+00	1,60E+00	1,43E+00
6	7,67E-01	1,15E+00	1,72E+00	1,60E+00	1,14E+00	1,33E+00	1,66E+00	1,46E+00
7	8,08E-01	1,20E+00	1,78E+00	1,64E+00	1,28E+00	1,43E+00	1,72E+00	1,49E+00
8	8,44E-01	1,24E+00	1,83E+00	1,69E+00	1,41E+00	1,52E+00	1,77E+00	1,52E+00
9	8,77E-01	1,28E+00	1,87E+00	1,72E+00	1,54E+00	1,62E+00	1,82E+00	1,54E+00
10	9,08E-01	1,31E+00	1,91E+00	1,76E+00	1,66E+00	1,71E+00	1,87E+00	1,57E+00
11	9,37E-01	1,34E+00	1,95E+00	1,79E+00	1,79E+00	1,80E+00	1,92E+00	1,59E+00
12	9,64E-01	1,37E+00	1,98E+00	1,82E+00	1,91E+00	1,89E+00	1,97E+00	1,62E+00
13	9,91E-01	1,40E+00	2,02E+00	1,85E+00	2,03E+00	1,97E+00	2,01E+00	1,64E+00
14	1,02E+00	1,43E+00	2,05E+00	1,88E+00	2,15E+00	2,06E+00	2,06E+00	1,66E+00
15	1,04E+00	1,46E+00	2,09E+00	1,91E+00	2,26E+00	2,14E+00	2,11E+00	1,68E+00
20	1,16E+00	1,59E+00	2,24E+00	2,04E+00	2,84E+00	2,56E+00	2,33E+00	1,79E+00
30	1,39E+00	1,84E+00	2,54E+00	2,30E+00	3,92E+00	3,35E+00	2,75E+00	2,00E+00
40	1,61E+00	2,08E+00	2,82E+00	2,54E+00	4,94E+00	4,09E+00	3,14E+00	2,19E+00
45	1,71E+00	2,19E+00	2,96E+00	2,65E+00	5,42E+00	4,44E+00	3,33E+00	2,29E+00
50	1,81E+00	2,30E+00	3,09E+00	2,76E+00	5,89E+00	4,78E+00	3,51E+00	2,38E+00
60	2,00E+00	2,51E+00	3,33E+00	2,98E+00	6,78E+00	5,43E+00	3,86E+00	2,55E+00
70	2,18E+00	2,71E+00	3,57E+00	3,18E+00	7,61E+00	6,04E+00	4,19E+00	2,71E+00
80	2,36E+00	2,90E+00	3,79E+00	3,37E+00	8,40E+00	6,61E+00	4,49E+00	2,86E+00
90	2,52E+00	3,08E+00	4,01E+00	3,55E+00	9,13E+00	7,15E+00	4,78E+00	3,00E+00
100	2,68E+00	3,25E+00	4,21E+00	3,73E+00	9,82E+00	7,66E+00	5,05E+00	3,13E+00
120	2,97E+00	3,58E+00	4,60E+00	4,06E+00	1,11E+01	8,57E+00	5,54E+00	3,38E+00
180	3,75E+00	4,43E+00	5,60E+00	4,92E+00	1,41E+01	1,08E+01	6,72E+00	3,96E+00
200	3,98E+00	4,68E+00	5,91E+00	5,18E+00	1,48E+01	1,13E+01	7,03E+00	4,12E+00
300	5,03E+00	5,83E+00	7,26E+00	6,34E+00	1,77E+01	1,34E+01	8,20E+00	4,73E+00
360	5,60E+00	6,45E+00	8,00E+00	6,97E+00	1,88E+01	1,43E+01	8,68E+00	4,99E+00
365	5,64E+00	6,50E+00	8,06E+00	7,03E+00	1,89E+01	1,43E+01	8,72E+00	5,01E+00
400	5,96E+00	6,85E+00	8,48E+00	7,38E+00	1,94E+01	1,47E+01	8,95E+00	5,13E+00
500	6,83E+00	7,80E+00	9,61E+00	8,35E+00	2,06E+01	1,56E+01	9,49E+00	5,44E+00
600	7,66E+00	8,71E+00	1,07E+01	9,27E+00	2,15E+01	1,63E+01	9,91E+00	5,69E+00
700	8,44E+00	9,57E+00	1,17E+01	1,01E+01	2,22E+01	1,68E+01	1,03E+01	5,90E+00
800	9,19E+00	1,04E+01	1,27E+01	1,10E+01	2,27E+01	1,73E+01	1,06E+01	6,10E+00
900	9,91E+00	1,12E+01	1,36E+01	1,18E+01	2,33E+01	1,77E+01	1,08E+01	6,28E+00
1000	1,06E+01	1,19E+01	1,45E+01	1,25E+01	2,37E+01	1,80E+01	1,11E+01	6,44E+00
2000	1,60E+01	1,79E+01	2,15E+01	1,85E+01	2,72E+01	2,08E+01	1,31E+01	7,71E+00
3000	1,95E+01	2,17E+01	2,61E+01	2,25E+01	2,95E+01	2,26E+01	1,43E+01	8,55E+00
4000	2,20E+01	2,44E+01	2,93E+01	2,52E+01	3,10E+01	2,38E+01	1,52E+01	9,11E+00
5000	2,37E+01	2,62E+01	3,15E+01	2,71E+01	3,21E+01	2,47E+01	1,58E+01	9,51E+00
6000	2,49E+01	2,76E+01	3,31E+01	2,84E+01	3,29E+01	2,53E+01	1,62E+01	9,79E+00
8000	2,64E+01	2,93E+01	3,51E+01	3,01E+01	3,38E+01	2,61E+01	1,68E+01	1,02E+01
10000	2,73E+01	3,02E+01	3,62E+01	3,11E+01	3,44E+01	2,65E+01	1,71E+01	1,04E+01
13500	2,80E+01	3,10E+01	3,72E+01	3,19E+01	3,48E+01	2,69E+01	1,73E+01	1,05E+01
14600	2,82E+01	3,12E+01	3,73E+01	3,21E+01	3,49E+01	2,69E+01	1,74E+01	1,06E+01
18250	2,82E+01	3,12E+01	3,73E+01	3,21E+01	3,49E+01	2,69E+01	1,74E+01	1,06E+01
Eff. Dosis	9,2E-10	1,0E-09	1,3E-09	1,1E-09	3,7E-09	2,7E-09	1,6E-09	9,4E-10
Gebärmutter	9,9E-10	1,2E-09	1,5E-09	1,3E-09	6,7E-10	6,4E-10	6,4E-10	5,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ba-133

Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,2	fA=1E-4	
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,37E-01	9,41E-01	9,16E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,50E+00	1,48E+00	1,60E+00
3	7,22E-01	9,98E-01	1,42E+00	1,30E+00	1,73E+00	1,66E+00	2,06E+00
3,5	8,13E-01	1,08E+00	1,48E+00	1,35E+00	1,80E+00	1,69E+00	2,24E+00
4	9,00E-01	1,14E+00	1,53E+00	1,38E+00	1,84E+00	1,70E+00	2,40E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,90E+00	1,71E+00	2,67E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,95E+00	1,71E+00	2,89E+00
7	1,39E+00	1,49E+00	1,73E+00	1,48E+00	1,99E+00	1,71E+00	3,08E+00
8	1,55E+00	1,60E+00	1,78E+00	1,50E+00	2,03E+00	1,71E+00	3,25E+00
9	1,70E+00	1,71E+00	1,84E+00	1,53E+00	2,06E+00	1,71E+00	3,40E+00
10	1,85E+00	1,82E+00	1,89E+00	1,55E+00	2,09E+00	1,71E+00	3,54E+00
11	2,00E+00	1,93E+00	1,95E+00	1,58E+00	2,11E+00	1,71E+00	3,68E+00
12	2,15E+00	2,04E+00	2,00E+00	1,60E+00	2,14E+00	1,71E+00	3,80E+00
13	2,30E+00	2,14E+00	2,06E+00	1,63E+00	2,16E+00	1,71E+00	3,93E+00
14	2,45E+00	2,25E+00	2,11E+00	1,65E+00	2,19E+00	1,71E+00	4,05E+00
15	2,60E+00	2,36E+00	2,16E+00	1,68E+00	2,21E+00	1,71E+00	4,17E+00
20	3,32E+00	2,88E+00	2,43E+00	1,80E+00	2,32E+00	1,71E+00	4,73E+00
30	4,74E+00	3,89E+00	2,94E+00	2,03E+00	2,54E+00	1,71E+00	5,80E+00
40	6,12E+00	4,89E+00	3,44E+00	2,25E+00	2,74E+00	1,71E+00	6,80E+00
45	6,80E+00	5,38E+00	3,69E+00	2,37E+00	2,83E+00	1,71E+00	7,28E+00
50	7,48E+00	5,86E+00	3,93E+00	2,48E+00	2,93E+00	1,71E+00	7,75E+00
60	8,80E+00	6,81E+00	4,41E+00	2,69E+00	3,11E+00	1,71E+00	8,64E+00
70	1,01E+01	7,74E+00	4,88E+00	2,91E+00	3,27E+00	1,71E+00	9,48E+00
80	1,14E+01	8,66E+00	5,34E+00	3,11E+00	3,44E+00	1,72E+00	1,03E+01
90	1,26E+01	9,55E+00	5,79E+00	3,32E+00	3,59E+00	1,72E+00	1,11E+01
100	1,38E+01	1,04E+01	6,23E+00	3,52E+00	3,74E+00	1,72E+00	1,18E+01
120	1,62E+01	1,21E+01	7,09E+00	3,91E+00	4,01E+00	1,72E+00	1,32E+01
180	2,27E+01	1,68E+01	9,45E+00	4,98E+00	4,73E+00	1,72E+00	1,68E+01
200	2,47E+01	1,83E+01	1,02E+01	5,31E+00	4,95E+00	1,72E+00	1,79E+01
300	3,37E+01	2,48E+01	1,35E+01	6,81E+00	5,92E+00	1,72E+00	2,27E+01
360	3,85E+01	2,82E+01	1,52E+01	7,59E+00	6,46E+00	1,72E+00	2,54E+01
365	3,89E+01	2,84E+01	1,53E+01	7,66E+00	6,50E+00	1,72E+00	2,56E+01
400	4,14E+01	3,03E+01	1,63E+01	8,08E+00	6,80E+00	1,72E+00	2,71E+01
500	4,81E+01	3,51E+01	1,87E+01	9,20E+00	7,61E+00	1,72E+00	3,11E+01
600	5,40E+01	3,93E+01	2,09E+01	1,02E+01	8,38E+00	1,72E+00	3,50E+01
700	5,93E+01	4,32E+01	2,28E+01	1,11E+01	9,11E+00	1,72E+00	3,87E+01
800	6,42E+01	4,67E+01	2,46E+01	1,19E+01	9,81E+00	1,72E+00	4,21E+01
900	6,87E+01	5,00E+01	2,63E+01	1,27E+01	1,05E+01	1,72E+00	4,55E+01
1000	7,29E+01	5,30E+01	2,79E+01	1,34E+01	1,11E+01	1,72E+00	4,87E+01
2000	1,07E+02	7,75E+01	4,03E+01	1,92E+01	1,62E+01	1,72E+00	7,38E+01
3000	1,32E+02	9,54E+01	4,95E+01	2,34E+01	1,95E+01	1,72E+00	9,04E+01
4000	1,51E+02	1,09E+02	5,65E+01	2,66E+01	2,17E+01	1,72E+00	1,02E+02
5000	1,65E+02	1,19E+02	6,17E+01	2,91E+01	2,33E+01	1,72E+00	1,10E+02
6000	1,76E+02	1,27E+02	6,57E+01	3,09E+01	2,44E+01	1,73E+00	1,15E+02
8000	1,90E+02	1,37E+02	7,10E+01	3,33E+01	2,59E+01	1,73E+00	1,23E+02
10000	1,98E+02	1,43E+02	7,40E+01	3,47E+01	2,67E+01	1,73E+00	1,27E+02
13500	2,05E+02	1,48E+02	7,65E+01	3,59E+01	2,74E+01	1,73E+00	1,30E+02
14600	2,06E+02	1,49E+02	7,69E+01	3,61E+01	2,75E+01	1,73E+00	1,31E+02
18250	2,06E+02	1,49E+02	7,69E+01	3,61E+01	2,75E+01	1,73E+00	1,31E+02
Eff. Dosis	3,3E-08	2,4E-08	1,3E-08	6,2E-09	1,0E-09	2,0E-10	4,2E-09
Gebärmutter	3,5E-10	3,7E-10	4,2E-10	3,6E-10	1,3E-09	5,0E-10	4,5E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ba-140								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,60E-01	4,37E-01	6,91E-01	6,50E-01	2,72E-01	4,47E-01	6,99E-01	6,56E-01
2	4,36E-01	7,19E-01	1,13E+00	1,06E+00	4,88E-01	7,50E-01	1,13E+00	1,05E+00
3	5,41E-01	8,70E-01	1,35E+00	1,26E+00	6,50E-01	9,24E-01	1,34E+00	1,23E+00
3,5	5,78E-01	9,17E-01	1,41E+00	1,32E+00	7,18E-01	9,84E-01	1,39E+00	1,27E+00
4	6,08E-01	9,54E-01	1,46E+00	1,36E+00	7,81E-01	1,04E+00	1,43E+00	1,30E+00
5	6,55E-01	1,01E+00	1,53E+00	1,42E+00	8,95E-01	1,12E+00	1,49E+00	1,33E+00
6	6,91E-01	1,05E+00	1,58E+00	1,46E+00	9,99E-01	1,20E+00	1,53E+00	1,36E+00
7	7,20E-01	1,08E+00	1,62E+00	1,50E+00	1,09E+00	1,27E+00	1,57E+00	1,38E+00
8	7,44E-01	1,11E+00	1,65E+00	1,53E+00	1,18E+00	1,33E+00	1,60E+00	1,39E+00
9	7,65E-01	1,13E+00	1,68E+00	1,55E+00	1,26E+00	1,39E+00	1,64E+00	1,41E+00
10	7,83E-01	1,15E+00	1,70E+00	1,57E+00	1,34E+00	1,44E+00	1,67E+00	1,43E+00
11	8,00E-01	1,17E+00	1,72E+00	1,59E+00	1,41E+00	1,49E+00	1,69E+00	1,44E+00
12	8,14E-01	1,19E+00	1,74E+00	1,60E+00	1,47E+00	1,54E+00	1,72E+00	1,45E+00
13	8,28E-01	1,20E+00	1,76E+00	1,62E+00	1,53E+00	1,58E+00	1,74E+00	1,46E+00
14	8,40E-01	1,22E+00	1,78E+00	1,63E+00	1,59E+00	1,63E+00	1,77E+00	1,47E+00
15	8,52E-01	1,23E+00	1,79E+00	1,65E+00	1,64E+00	1,66E+00	1,79E+00	1,48E+00
20	8,99E-01	1,28E+00	1,85E+00	1,70E+00	1,87E+00	1,83E+00	1,87E+00	1,53E+00
30	9,59E-01	1,35E+00	1,93E+00	1,77E+00	2,15E+00	2,03E+00	1,98E+00	1,58E+00
40	9,92E-01	1,38E+00	1,97E+00	1,80E+00	2,30E+00	2,15E+00	2,04E+00	1,61E+00
45	1,00E+00	1,39E+00	1,99E+00	1,81E+00	2,35E+00	2,18E+00	2,06E+00	1,62E+00
50	1,01E+00	1,40E+00	2,00E+00	1,82E+00	2,39E+00	2,21E+00	2,08E+00	1,63E+00
60	1,02E+00	1,41E+00	2,01E+00	1,83E+00	2,43E+00	2,24E+00	2,09E+00	1,64E+00
70	1,03E+00	1,42E+00	2,02E+00	1,84E+00	2,46E+00	2,26E+00	2,10E+00	1,64E+00
80	1,03E+00	1,42E+00	2,02E+00	1,84E+00	2,47E+00	2,27E+00	2,11E+00	1,64E+00
90	1,03E+00	1,42E+00	2,02E+00	1,84E+00	2,48E+00	2,27E+00	2,11E+00	1,64E+00
100	1,03E+00	1,42E+00	2,02E+00	1,85E+00	2,48E+00	2,28E+00	2,11E+00	1,65E+00
120	1,03E+00	1,43E+00	2,02E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
180	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
200	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
300	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
360	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
365	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
400	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
500	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
600	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
700	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
800	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
900	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
1000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
2000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
3000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
4000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
5000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
6000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
8000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
10000	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
13500	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
14600	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
18250	1,03E+00	1,43E+00	2,03E+00	1,85E+00	2,49E+00	2,28E+00	2,11E+00	1,65E+00
Eff. Dosis	3,6E-10	4,9E-10	7,0E-10	6,3E-10	3,7E-09	2,7E-09	1,8E-09	1,1E-09
Gebärmutter	3,5E-10	5,5E-10	8,5E-10	7,9E-10	2,4E-10	4,7E-10	7,9E-10	7,5E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ba-140

Zeit (d)	Inhalation Typ S				Ingestion		Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	fA=0,2	fA=1E-4	
1	2,74E-01	4,48E-01	7,00E-01	6,56E-01	9,13E-01	9,17E-01	8,92E-01
2	4,96E-01	7,55E-01	1,14E+00	1,05E+00	1,43E+00	1,41E+00	1,52E+00
3	6,71E-01	9,35E-01	1,34E+00	1,22E+00	1,64E+00	1,57E+00	1,93E+00
3,5	7,47E-01	1,00E+00	1,39E+00	1,26E+00	1,69E+00	1,60E+00	2,08E+00
4	8,18E-01	1,06E+00	1,43E+00	1,29E+00	1,73E+00	1,61E+00	2,21E+00
5	9,49E-01	1,15E+00	1,49E+00	1,32E+00	1,78E+00	1,62E+00	2,42E+00
6	1,07E+00	1,24E+00	1,53E+00	1,34E+00	1,81E+00	1,62E+00	2,59E+00
7	1,18E+00	1,32E+00	1,57E+00	1,36E+00	1,84E+00	1,62E+00	2,72E+00
8	1,29E+00	1,39E+00	1,61E+00	1,38E+00	1,86E+00	1,62E+00	2,83E+00
9	1,38E+00	1,46E+00	1,65E+00	1,40E+00	1,88E+00	1,62E+00	2,93E+00
10	1,48E+00	1,52E+00	1,68E+00	1,41E+00	1,90E+00	1,62E+00	3,01E+00
11	1,56E+00	1,59E+00	1,71E+00	1,43E+00	1,92E+00	1,62E+00	3,09E+00
12	1,64E+00	1,64E+00	1,74E+00	1,44E+00	1,93E+00	1,62E+00	3,15E+00
13	1,72E+00	1,70E+00	1,77E+00	1,45E+00	1,94E+00	1,62E+00	3,22E+00
14	1,79E+00	1,75E+00	1,79E+00	1,46E+00	1,95E+00	1,62E+00	3,28E+00
15	1,86E+00	1,80E+00	1,82E+00	1,48E+00	1,96E+00	1,62E+00	3,33E+00
20	2,14E+00	2,00E+00	1,92E+00	1,52E+00	2,01E+00	1,62E+00	3,55E+00
30	2,51E+00	2,26E+00	2,06E+00	1,58E+00	2,06E+00	1,62E+00	3,83E+00
40	2,72E+00	2,41E+00	2,13E+00	1,62E+00	2,09E+00	1,62E+00	3,98E+00
45	2,78E+00	2,46E+00	2,16E+00	1,63E+00	2,10E+00	1,62E+00	4,03E+00
50	2,84E+00	2,50E+00	2,17E+00	1,64E+00	2,11E+00	1,62E+00	4,06E+00
60	2,90E+00	2,55E+00	2,20E+00	1,65E+00	2,12E+00	1,62E+00	4,11E+00
70	2,94E+00	2,58E+00	2,21E+00	1,65E+00	2,13E+00	1,62E+00	4,14E+00
80	2,96E+00	2,59E+00	2,22E+00	1,66E+00	2,13E+00	1,62E+00	4,15E+00
90	2,98E+00	2,60E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,16E+00
100	2,98E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,16E+00
120	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
180	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
200	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
300	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
360	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
365	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
400	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
500	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
600	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
700	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
800	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
900	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
1000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
2000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
3000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
4000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
5000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
6000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
8000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
10000	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
13500	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
14600	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
18250	2,99E+00	2,61E+00	2,23E+00	1,66E+00	2,13E+00	1,62E+00	4,17E+00
Eff. Dosis	4,8E-09	3,5E-09	2,2E-09	1,3E-09	7,3E-10	5,3E-10	1,4E-09
Gebärmutter	2,0E-10	4,4E-10	7,7E-10	7,4E-10	1,1E-09	1,1E-09	1,3E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

La-135

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,21E-02	2,08E-02	3,33E-02	3,14E-02	1,21E-02	2,08E-02	3,33E-02	3,14E-02
0,08333	2,37E-02	4,07E-02	6,50E-02	6,13E-02	2,37E-02	4,07E-02	6,50E-02	6,13E-02
0,125	3,49E-02	5,97E-02	9,52E-02	8,98E-02	3,49E-02	5,97E-02	9,52E-02	8,98E-02
0,1667	4,56E-02	7,79E-02	1,24E-01	1,17E-01	4,56E-02	7,79E-02	1,24E-01	1,17E-01
0,2083	5,58E-02	9,52E-02	1,52E-01	1,43E-01	5,59E-02	9,52E-02	1,52E-01	1,43E-01
0,25	6,57E-02	1,12E-01	1,78E-01	1,68E-01	6,57E-02	1,12E-01	1,78E-01	1,68E-01
0,2917	7,52E-02	1,28E-01	2,03E-01	1,91E-01	7,52E-02	1,28E-01	2,03E-01	1,91E-01
0,3333	8,43E-02	1,43E-01	2,27E-01	2,14E-01	8,44E-02	1,43E-01	2,27E-01	2,14E-01
0,375	9,31E-02	1,58E-01	2,50E-01	2,35E-01	9,31E-02	1,58E-01	2,50E-01	2,35E-01
0,4167	1,02E-01	1,72E-01	2,72E-01	2,56E-01	1,02E-01	1,72E-01	2,72E-01	2,56E-01
0,4583	1,10E-01	1,85E-01	2,93E-01	2,75E-01	1,10E-01	1,85E-01	2,93E-01	2,75E-01
0,5	1,17E-01	1,98E-01	3,13E-01	2,94E-01	1,18E-01	1,98E-01	3,13E-01	2,94E-01
0,5417	1,25E-01	2,10E-01	3,32E-01	3,12E-01	1,25E-01	2,10E-01	3,32E-01	3,12E-01
0,5833	1,32E-01	2,22E-01	3,50E-01	3,29E-01	1,32E-01	2,22E-01	3,50E-01	3,29E-01
0,625	1,39E-01	2,33E-01	3,68E-01	3,46E-01	1,39E-01	2,33E-01	3,68E-01	3,46E-01
0,6667	1,46E-01	2,44E-01	3,84E-01	3,61E-01	1,46E-01	2,44E-01	3,84E-01	3,61E-01
0,7083	1,52E-01	2,54E-01	4,00E-01	3,76E-01	1,52E-01	2,54E-01	4,00E-01	3,76E-01
0,75	1,58E-01	2,64E-01	4,15E-01	3,90E-01	1,58E-01	2,64E-01	4,15E-01	3,90E-01
0,7917	1,64E-01	2,73E-01	4,30E-01	4,04E-01	1,64E-01	2,73E-01	4,30E-01	4,04E-01
0,8333	1,70E-01	2,82E-01	4,44E-01	4,17E-01	1,70E-01	2,82E-01	4,44E-01	4,17E-01
0,875	1,75E-01	2,91E-01	4,57E-01	4,29E-01	1,75E-01	2,91E-01	4,57E-01	4,29E-01
0,9167	1,80E-01	2,99E-01	4,69E-01	4,40E-01	1,81E-01	2,99E-01	4,69E-01	4,40E-01
0,9583	1,85E-01	3,06E-01	4,81E-01	4,51E-01	1,86E-01	3,07E-01	4,81E-01	4,51E-01
1	1,90E-01	3,14E-01	4,92E-01	4,62E-01	1,90E-01	3,14E-01	4,92E-01	4,62E-01
1,083	1,99E-01	3,27E-01	5,13E-01	4,81E-01	1,99E-01	3,28E-01	5,13E-01	4,81E-01
1,167	2,07E-01	3,40E-01	5,31E-01	4,98E-01	2,08E-01	3,40E-01	5,31E-01	4,98E-01
1,25	2,14E-01	3,51E-01	5,48E-01	5,13E-01	2,15E-01	3,51E-01	5,48E-01	5,13E-01
1,333	2,21E-01	3,61E-01	5,62E-01	5,27E-01	2,22E-01	3,61E-01	5,62E-01	5,27E-01
1,417	2,28E-01	3,70E-01	5,75E-01	5,39E-01	2,28E-01	3,70E-01	5,75E-01	5,39E-01
1,5	2,33E-01	3,78E-01	5,87E-01	5,49E-01	2,34E-01	3,78E-01	5,87E-01	5,49E-01
1,667	2,43E-01	3,92E-01	6,06E-01	5,67E-01	2,44E-01	3,92E-01	6,06E-01	5,67E-01
1,833	2,52E-01	4,03E-01	6,21E-01	5,81E-01	2,53E-01	4,03E-01	6,21E-01	5,80E-01
2	2,59E-01	4,11E-01	6,33E-01	5,91E-01	2,60E-01	4,12E-01	6,33E-01	5,91E-01
3	2,83E-01	4,37E-01	6,63E-01	6,16E-01	2,85E-01	4,38E-01	6,62E-01	6,16E-01
4	2,92E-01	4,45E-01	6,69E-01	6,21E-01	2,94E-01	4,46E-01	6,68E-01	6,20E-01
5	2,96E-01	4,48E-01	6,71E-01	6,22E-01	2,98E-01	4,48E-01	6,70E-01	6,21E-01
6	2,97E-01	4,49E-01	6,71E-01	6,23E-01	2,99E-01	4,49E-01	6,71E-01	6,21E-01
7	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
8	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
9	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
10	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
11	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
12	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
13	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
14	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
15	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
16	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
17	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
18	2,98E-01	4,49E-01	6,72E-01	6,23E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
Eff. Dosis	4,9E-12	6,9E-12	1,0E-11	9,2E-12	6,1E-12	7,6E-12	1,0E-11	9,3E-12
Gebärmutter	2,6E-12	7,4E-12	1,4E-11	1,4E-11	2,4E-12	7,3E-12	1,4E-11	1,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

La-135						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,21E-02	2,08E-02	3,33E-02	3,14E-02	4,09E-02	4,09E-02
0,08333	2,37E-02	4,07E-02	6,50E-02	6,13E-02	8,04E-02	8,02E-02
0,125	3,49E-02	5,97E-02	9,52E-02	8,98E-02	1,19E-01	1,18E-01
0,1667	4,56E-02	7,79E-02	1,24E-01	1,17E-01	1,55E-01	1,54E-01
0,2083	5,59E-02	9,52E-02	1,52E-01	1,43E-01	1,91E-01	1,90E-01
0,25	6,57E-02	1,12E-01	1,78E-01	1,68E-01	2,25E-01	2,23E-01
0,2917	7,52E-02	1,28E-01	2,03E-01	1,91E-01	2,58E-01	2,56E-01
0,3333	8,44E-02	1,43E-01	2,27E-01	2,14E-01	2,90E-01	2,87E-01
0,375	9,32E-02	1,58E-01	2,50E-01	2,35E-01	3,20E-01	3,18E-01
0,4167	1,02E-01	1,72E-01	2,72E-01	2,56E-01	3,50E-01	3,47E-01
0,4583	1,10E-01	1,85E-01	2,93E-01	2,75E-01	3,78E-01	3,75E-01
0,5	1,18E-01	1,98E-01	3,13E-01	2,94E-01	4,05E-01	4,02E-01
0,5417	1,25E-01	2,10E-01	3,32E-01	3,12E-01	4,30E-01	4,28E-01
0,5833	1,32E-01	2,22E-01	3,50E-01	3,29E-01	4,55E-01	4,53E-01
0,625	1,39E-01	2,33E-01	3,68E-01	3,46E-01	4,78E-01	4,78E-01
0,6667	1,46E-01	2,44E-01	3,84E-01	3,61E-01	5,01E-01	5,01E-01
0,7083	1,52E-01	2,54E-01	4,00E-01	3,76E-01	5,22E-01	5,24E-01
0,75	1,58E-01	2,64E-01	4,15E-01	3,90E-01	5,42E-01	5,46E-01
0,7917	1,64E-01	2,73E-01	4,30E-01	4,04E-01	5,61E-01	5,67E-01
0,8333	1,70E-01	2,82E-01	4,44E-01	4,17E-01	5,80E-01	5,87E-01
0,875	1,75E-01	2,91E-01	4,57E-01	4,29E-01	5,97E-01	6,06E-01
0,9167	1,81E-01	2,99E-01	4,69E-01	4,40E-01	6,13E-01	6,25E-01
0,9583	1,86E-01	3,07E-01	4,81E-01	4,51E-01	6,28E-01	6,43E-01
1	1,90E-01	3,14E-01	4,92E-01	4,62E-01	6,42E-01	6,61E-01
1,083	1,99E-01	3,28E-01	5,13E-01	4,81E-01	6,69E-01	6,94E-01
1,167	2,08E-01	3,40E-01	5,31E-01	4,98E-01	6,92E-01	7,25E-01
1,25	2,15E-01	3,51E-01	5,48E-01	5,13E-01	7,12E-01	7,53E-01
1,333	2,22E-01	3,61E-01	5,62E-01	5,27E-01	7,29E-01	7,80E-01
1,417	2,29E-01	3,70E-01	5,75E-01	5,39E-01	7,45E-01	8,04E-01
1,5	2,34E-01	3,79E-01	5,87E-01	5,49E-01	7,58E-01	8,27E-01
1,667	2,45E-01	3,92E-01	6,06E-01	5,67E-01	7,79E-01	8,68E-01
1,833	2,53E-01	4,03E-01	6,21E-01	5,80E-01	7,94E-01	9,03E-01
2	2,60E-01	4,12E-01	6,33E-01	5,90E-01	8,05E-01	9,34E-01
3	2,85E-01	4,38E-01	6,62E-01	6,16E-01	8,29E-01	1,05E+00
4	2,95E-01	4,46E-01	6,68E-01	6,20E-01	8,32E-01	1,10E+00
5	2,98E-01	4,49E-01	6,70E-01	6,21E-01	8,32E-01	1,12E+00
6	3,00E-01	4,50E-01	6,70E-01	6,21E-01	8,32E-01	1,12E+00
7	3,00E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
8	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
9	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
10	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
11	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
12	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
13	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
14	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
15	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
16	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
17	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
18	3,01E-01	4,50E-01	6,71E-01	6,21E-01	8,32E-01	1,13E+00
Eff. Dosis	6,4E-12	7,8E-12	1,0E-11	9,3E-12	1,6E-11	1,1E-11
Gebärmutter	2,33E-12	7,2E-12	1,4E-11	1,4E-11	2,7E-11	4,5E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

La-135

Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,21E-02	2,08E-02	3,33E-02	3,14E-02	1,21E-02	2,08E-02	3,33E-02	3,14E-02
0,08333	2,37E-02	4,07E-02	6,50E-02	6,13E-02	2,37E-02	4,07E-02	6,50E-02	6,13E-02
0,125	3,49E-02	5,97E-02	9,53E-02	8,98E-02	3,49E-02	5,97E-02	9,53E-02	8,98E-02
0,1667	4,56E-02	7,79E-02	1,24E-01	1,17E-01	4,56E-02	7,79E-02	1,24E-01	1,17E-01
0,2083	5,59E-02	9,52E-02	1,52E-01	1,43E-01	5,58E-02	9,52E-02	1,52E-01	1,43E-01
0,25	6,57E-02	1,12E-01	1,78E-01	1,68E-01	6,57E-02	1,12E-01	1,78E-01	1,68E-01
0,2917	7,52E-02	1,28E-01	2,03E-01	1,91E-01	7,52E-02	1,28E-01	2,03E-01	1,91E-01
0,3333	8,44E-02	1,43E-01	2,27E-01	2,14E-01	8,44E-02	1,43E-01	2,27E-01	2,14E-01
0,375	9,32E-02	1,58E-01	2,50E-01	2,35E-01	9,31E-02	1,58E-01	2,50E-01	2,35E-01
0,4167	1,02E-01	1,72E-01	2,72E-01	2,56E-01	1,02E-01	1,72E-01	2,72E-01	2,56E-01
0,4583	1,10E-01	1,85E-01	2,93E-01	2,75E-01	1,10E-01	1,85E-01	2,93E-01	2,75E-01
0,5	1,18E-01	1,98E-01	3,13E-01	2,94E-01	1,18E-01	1,98E-01	3,13E-01	2,94E-01
0,5417	1,25E-01	2,10E-01	3,32E-01	3,12E-01	1,25E-01	2,10E-01	3,32E-01	3,12E-01
0,5833	1,32E-01	2,22E-01	3,50E-01	3,29E-01	1,32E-01	2,22E-01	3,50E-01	3,29E-01
0,625	1,39E-01	2,33E-01	3,68E-01	3,46E-01	1,39E-01	2,33E-01	3,68E-01	3,46E-01
0,6667	1,46E-01	2,44E-01	3,84E-01	3,61E-01	1,46E-01	2,44E-01	3,84E-01	3,61E-01
0,7083	1,52E-01	2,54E-01	4,00E-01	3,76E-01	1,52E-01	2,54E-01	4,00E-01	3,76E-01
0,75	1,58E-01	2,64E-01	4,15E-01	3,90E-01	1,58E-01	2,64E-01	4,15E-01	3,90E-01
0,7917	1,64E-01	2,73E-01	4,30E-01	4,04E-01	1,64E-01	2,73E-01	4,30E-01	4,04E-01
0,8333	1,70E-01	2,82E-01	4,44E-01	4,17E-01	1,70E-01	2,82E-01	4,44E-01	4,17E-01
0,875	1,75E-01	2,91E-01	4,57E-01	4,29E-01	1,75E-01	2,91E-01	4,57E-01	4,29E-01
0,9167	1,81E-01	2,99E-01	4,69E-01	4,40E-01	1,80E-01	2,99E-01	4,69E-01	4,40E-01
0,9583	1,86E-01	3,07E-01	4,81E-01	4,51E-01	1,85E-01	3,07E-01	4,81E-01	4,51E-01
1	1,90E-01	3,14E-01	4,92E-01	4,62E-01	1,90E-01	3,14E-01	4,92E-01	4,62E-01
1,083	1,99E-01	3,28E-01	5,13E-01	4,81E-01	1,99E-01	3,28E-01	5,13E-01	4,81E-01
1,167	2,08E-01	3,40E-01	5,31E-01	4,98E-01	2,07E-01	3,40E-01	5,31E-01	4,98E-01
1,25	2,15E-01	3,51E-01	5,48E-01	5,13E-01	2,15E-01	3,51E-01	5,48E-01	5,13E-01
1,333	2,22E-01	3,61E-01	5,62E-01	5,27E-01	2,22E-01	3,61E-01	5,62E-01	5,27E-01
1,417	2,29E-01	3,70E-01	5,75E-01	5,39E-01	2,28E-01	3,70E-01	5,75E-01	5,39E-01
1,5	2,34E-01	3,79E-01	5,87E-01	5,49E-01	2,34E-01	3,78E-01	5,87E-01	5,49E-01
1,667	2,45E-01	3,92E-01	6,06E-01	5,67E-01	2,44E-01	3,92E-01	6,06E-01	5,67E-01
1,833	2,53E-01	4,03E-01	6,21E-01	5,80E-01	2,53E-01	4,03E-01	6,21E-01	5,80E-01
2	2,60E-01	4,12E-01	6,33E-01	5,90E-01	2,60E-01	4,12E-01	6,33E-01	5,91E-01
3	2,85E-01	4,38E-01	6,62E-01	6,16E-01	2,84E-01	4,38E-01	6,62E-01	6,16E-01
4	2,95E-01	4,46E-01	6,68E-01	6,20E-01	2,93E-01	4,45E-01	6,69E-01	6,21E-01
5	2,98E-01	4,49E-01	6,70E-01	6,21E-01	2,97E-01	4,48E-01	6,70E-01	6,22E-01
6	3,00E-01	4,50E-01	6,70E-01	6,21E-01	2,99E-01	4,49E-01	6,71E-01	6,22E-01
7	3,00E-01	4,50E-01	6,71E-01	6,21E-01	2,99E-01	4,50E-01	6,71E-01	6,22E-01
8	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
9	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
10	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
11	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
12	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
13	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
14	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
15	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
16	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
17	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
18	3,01E-01	4,50E-01	6,71E-01	6,21E-01	3,00E-01	4,50E-01	6,71E-01	6,22E-01
Eff. Dosis	6,5E-12	7,8E-12	1,1E-11	9,3E-12	5,7E-12	7,4E-12	1,0E-11	9,3E-12
Gebärmutter	2,3E-12	7,2E-12	1,4E-11	1,4E-11	2,5E-12	7,3E-12	1,4E-11	1,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

La-140								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,22E-02	2,10E-02	3,36E-02	3,17E-02	1,22E-02	2,10E-02	3,36E-02	3,17E-02
0,08333	2,42E-02	4,15E-02	6,62E-02	6,24E-02	2,42E-02	4,15E-02	6,62E-02	6,24E-02
0,125	3,58E-02	6,14E-02	9,79E-02	9,23E-02	3,58E-02	6,14E-02	9,78E-02	9,23E-02
0,1667	4,72E-02	8,07E-02	1,29E-01	1,21E-01	4,72E-02	8,07E-02	1,29E-01	1,21E-01
0,2083	5,84E-02	9,96E-02	1,58E-01	1,49E-01	5,84E-02	9,96E-02	1,58E-01	1,49E-01
0,25	6,93E-02	1,18E-01	1,88E-01	1,77E-01	6,93E-02	1,18E-01	1,88E-01	1,77E-01
0,2917	8,00E-02	1,36E-01	2,16E-01	2,03E-01	8,00E-02	1,36E-01	2,16E-01	2,03E-01
0,3333	9,05E-02	1,53E-01	2,43E-01	2,29E-01	9,05E-02	1,53E-01	2,43E-01	2,29E-01
0,375	1,01E-01	1,70E-01	2,70E-01	2,54E-01	1,01E-01	1,70E-01	2,70E-01	2,54E-01
0,4167	1,11E-01	1,87E-01	2,96E-01	2,79E-01	1,11E-01	1,87E-01	2,96E-01	2,79E-01
0,4583	1,21E-01	2,03E-01	3,22E-01	3,03E-01	1,21E-01	2,03E-01	3,22E-01	3,03E-01
0,5	1,30E-01	2,19E-01	3,46E-01	3,26E-01	1,30E-01	2,19E-01	3,46E-01	3,26E-01
0,5417	1,40E-01	2,34E-01	3,71E-01	3,48E-01	1,40E-01	2,35E-01	3,71E-01	3,48E-01
0,5833	1,49E-01	2,50E-01	3,94E-01	3,70E-01	1,49E-01	2,50E-01	3,94E-01	3,70E-01
0,625	1,58E-01	2,64E-01	4,17E-01	3,92E-01	1,58E-01	2,64E-01	4,17E-01	3,92E-01
0,6667	1,67E-01	2,78E-01	4,39E-01	4,12E-01	1,67E-01	2,79E-01	4,39E-01	4,12E-01
0,7083	1,75E-01	2,92E-01	4,60E-01	4,33E-01	1,76E-01	2,93E-01	4,60E-01	4,33E-01
0,75	1,84E-01	3,06E-01	4,81E-01	4,52E-01	1,84E-01	3,06E-01	4,81E-01	4,52E-01
0,7917	1,92E-01	3,19E-01	5,02E-01	4,71E-01	1,92E-01	3,19E-01	5,02E-01	4,71E-01
0,8333	2,00E-01	3,32E-01	5,21E-01	4,89E-01	2,00E-01	3,32E-01	5,21E-01	4,89E-01
0,875	2,08E-01	3,44E-01	5,40E-01	5,07E-01	2,08E-01	3,44E-01	5,40E-01	5,07E-01
0,9167	2,16E-01	3,56E-01	5,59E-01	5,24E-01	2,16E-01	3,57E-01	5,59E-01	5,24E-01
0,9583	2,23E-01	3,68E-01	5,76E-01	5,41E-01	2,24E-01	3,68E-01	5,76E-01	5,41E-01
1	2,30E-01	3,79E-01	5,94E-01	5,57E-01	2,31E-01	3,80E-01	5,94E-01	5,57E-01
1,083	2,44E-01	4,01E-01	6,26E-01	5,87E-01	2,45E-01	4,01E-01	6,26E-01	5,87E-01
1,167	2,58E-01	4,21E-01	6,57E-01	6,15E-01	2,59E-01	4,22E-01	6,57E-01	6,15E-01
1,25	2,71E-01	4,40E-01	6,85E-01	6,41E-01	2,72E-01	4,41E-01	6,85E-01	6,41E-01
1,333	2,83E-01	4,58E-01	7,11E-01	6,65E-01	2,84E-01	4,58E-01	7,11E-01	6,65E-01
1,417	2,94E-01	4,74E-01	7,35E-01	6,87E-01	2,95E-01	4,75E-01	7,35E-01	6,87E-01
1,5	3,05E-01	4,90E-01	7,57E-01	7,07E-01	3,07E-01	4,90E-01	7,57E-01	7,07E-01
1,667	3,26E-01	5,17E-01	7,95E-01	7,43E-01	3,27E-01	5,18E-01	7,95E-01	7,42E-01
1,833	3,44E-01	5,41E-01	8,28E-01	7,72E-01	3,46E-01	5,42E-01	8,27E-01	7,71E-01
2	3,60E-01	5,61E-01	8,54E-01	7,96E-01	3,62E-01	5,62E-01	8,54E-01	7,95E-01
3	4,31E-01	6,36E-01	9,40E-01	8,69E-01	4,34E-01	6,37E-01	9,39E-01	8,67E-01
4	4,72E-01	6,70E-01	9,68E-01	8,89E-01	4,76E-01	6,72E-01	9,66E-01	8,86E-01
5	4,98E-01	6,89E-01	9,81E-01	8,97E-01	5,03E-01	6,91E-01	9,78E-01	8,93E-01
6	5,15E-01	7,01E-01	9,88E-01	9,00E-01	5,20E-01	7,03E-01	9,85E-01	8,96E-01
7	5,26E-01	7,09E-01	9,92E-01	9,03E-01	5,31E-01	7,11E-01	9,89E-01	8,98E-01
8	5,33E-01	7,14E-01	9,95E-01	9,04E-01	5,38E-01	7,16E-01	9,91E-01	9,00E-01
9	5,38E-01	7,18E-01	9,97E-01	9,05E-01	5,43E-01	7,19E-01	9,93E-01	9,00E-01
10	5,41E-01	7,20E-01	9,98E-01	9,06E-01	5,46E-01	7,22E-01	9,94E-01	9,01E-01
11	5,43E-01	7,22E-01	9,99E-01	9,06E-01	5,48E-01	7,23E-01	9,95E-01	9,01E-01
12	5,44E-01	7,23E-01	1,00E+00	9,07E-01	5,49E-01	7,24E-01	9,95E-01	9,02E-01
13	5,45E-01	7,23E-01	1,00E+00	9,07E-01	5,50E-01	7,25E-01	9,96E-01	9,02E-01
14	5,46E-01	7,24E-01	1,00E+00	9,07E-01	5,50E-01	7,25E-01	9,96E-01	9,02E-01
15	5,46E-01	7,24E-01	1,00E+00	9,07E-01	5,51E-01	7,25E-01	9,96E-01	9,02E-01
16	5,47E-01	7,24E-01	1,00E+00	9,07E-01	5,51E-01	7,25E-01	9,96E-01	9,02E-01
17	5,47E-01	7,24E-01	1,00E+00	9,07E-01	5,51E-01	7,26E-01	9,96E-01	9,02E-01
18	5,47E-01	7,24E-01	1,00E+00	9,07E-01	5,51E-01	7,26E-01	9,96E-01	9,02E-01
Eff. Dosis	4,0E-10	4,8E-10	6,3E-10	5,6E-10	6,1E-10	6,2E-10	7,1E-10	5,9E-10
Gebärmutter	1,6E-10	3,9E-10	7,1E-10	6,9E-10	1,3E-10	3,7E-10	7,0E-10	6,9E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

La-140						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,22E-02	2,10E-02	3,36E-02	3,17E-02	4,13E-02	4,13E-02
0,08333	2,42E-02	4,15E-02	6,62E-02	6,24E-02	8,19E-02	8,17E-02
0,125	3,58E-02	6,14E-02	9,78E-02	9,23E-02	1,22E-01	1,21E-01
0,1667	4,72E-02	8,07E-02	1,29E-01	1,21E-01	1,61E-01	1,60E-01
0,2083	5,84E-02	9,96E-02	1,58E-01	1,49E-01	2,00E-01	1,98E-01
0,25	6,93E-02	1,18E-01	1,88E-01	1,77E-01	2,37E-01	2,36E-01
0,2917	8,01E-02	1,36E-01	2,16E-01	2,03E-01	2,75E-01	2,72E-01
0,3333	9,05E-02	1,53E-01	2,43E-01	2,29E-01	3,11E-01	3,08E-01
0,375	1,01E-01	1,70E-01	2,70E-01	2,54E-01	3,47E-01	3,44E-01
0,4167	1,11E-01	1,87E-01	2,96E-01	2,79E-01	3,81E-01	3,78E-01
0,4583	1,21E-01	2,03E-01	3,22E-01	3,03E-01	4,16E-01	4,13E-01
0,5	1,30E-01	2,19E-01	3,46E-01	3,26E-01	4,49E-01	4,46E-01
0,5417	1,40E-01	2,35E-01	3,71E-01	3,48E-01	4,81E-01	4,79E-01
0,5833	1,49E-01	2,50E-01	3,94E-01	3,70E-01	5,13E-01	5,11E-01
0,625	1,58E-01	2,64E-01	4,17E-01	3,92E-01	5,43E-01	5,43E-01
0,6667	1,67E-01	2,79E-01	4,39E-01	4,12E-01	5,73E-01	5,74E-01
0,7083	1,76E-01	2,93E-01	4,60E-01	4,33E-01	6,02E-01	6,05E-01
0,75	1,84E-01	3,06E-01	4,81E-01	4,52E-01	6,30E-01	6,35E-01
0,7917	1,92E-01	3,19E-01	5,02E-01	4,71E-01	6,57E-01	6,65E-01
0,8333	2,00E-01	3,32E-01	5,21E-01	4,89E-01	6,83E-01	6,93E-01
0,875	2,08E-01	3,45E-01	5,40E-01	5,07E-01	7,08E-01	7,22E-01
0,9167	2,16E-01	3,57E-01	5,59E-01	5,24E-01	7,32E-01	7,50E-01
0,9583	2,24E-01	3,68E-01	5,76E-01	5,41E-01	7,55E-01	7,77E-01
1	2,31E-01	3,80E-01	5,94E-01	5,57E-01	7,77E-01	8,04E-01
1,083	2,45E-01	4,01E-01	6,26E-01	5,87E-01	8,18E-01	8,56E-01
1,167	2,59E-01	4,22E-01	6,57E-01	6,15E-01	8,56E-01	9,07E-01
1,25	2,72E-01	4,41E-01	6,85E-01	6,41E-01	8,90E-01	9,55E-01
1,333	2,84E-01	4,59E-01	7,11E-01	6,65E-01	9,21E-01	1,00E+00
1,417	2,96E-01	4,75E-01	7,35E-01	6,87E-01	9,49E-01	1,05E+00
1,5	3,07E-01	4,90E-01	7,57E-01	7,07E-01	9,74E-01	1,09E+00
1,667	3,27E-01	5,18E-01	7,95E-01	7,42E-01	1,02E+00	1,17E+00
1,833	3,46E-01	5,42E-01	8,27E-01	7,71E-01	1,05E+00	1,25E+00
2	3,63E-01	5,62E-01	8,54E-01	7,95E-01	1,08E+00	1,32E+00
3	4,35E-01	6,37E-01	9,38E-01	8,66E-01	1,14E+00	1,65E+00
4	4,77E-01	6,72E-01	9,66E-01	8,86E-01	1,15E+00	1,87E+00
5	5,04E-01	6,92E-01	9,77E-01	8,92E-01	1,16E+00	2,02E+00
6	5,21E-01	7,04E-01	9,84E-01	8,95E-01	1,16E+00	2,11E+00
7	5,32E-01	7,11E-01	9,88E-01	8,97E-01	1,16E+00	2,17E+00
8	5,39E-01	7,16E-01	9,90E-01	8,98E-01	1,16E+00	2,21E+00
9	5,44E-01	7,20E-01	9,92E-01	8,99E-01	1,16E+00	2,24E+00
10	5,47E-01	7,22E-01	9,93E-01	9,00E-01	1,16E+00	2,26E+00
11	5,49E-01	7,23E-01	9,94E-01	9,00E-01	1,16E+00	2,27E+00
12	5,50E-01	7,24E-01	9,94E-01	9,00E-01	1,16E+00	2,28E+00
13	5,51E-01	7,25E-01	9,95E-01	9,00E-01	1,16E+00	2,28E+00
14	5,52E-01	7,25E-01	9,95E-01	9,01E-01	1,16E+00	2,29E+00
15	5,52E-01	7,26E-01	9,95E-01	9,01E-01	1,16E+00	2,29E+00
16	5,52E-01	7,26E-01	9,95E-01	9,01E-01	1,16E+00	2,29E+00
17	5,52E-01	7,26E-01	9,95E-01	9,01E-01	1,16E+00	2,29E+00
18	5,52E-01	7,26E-01	9,95E-01	9,01E-01	1,16E+00	2,29E+00
Eff. Dosis	6,6E-10	6,6E-10	7,3E-10	6,0E-10	7,9E-10	9,4E-10
Gebärmutter	1,25E-10	3,7E-10	7,0E-10	6,9E-10	1,2E-09	3,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

La-140								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,22E-02	2,10E-02	3,36E-02	3,17E-02	1,22E-02	2,10E-02	3,36E-02	3,17E-02
0,08333	2,42E-02	4,15E-02	6,62E-02	6,24E-02	2,42E-02	4,15E-02	6,62E-02	6,24E-02
0,125	3,58E-02	6,14E-02	9,79E-02	9,23E-02	3,58E-02	6,14E-02	9,79E-02	9,23E-02
0,1667	4,72E-02	8,07E-02	1,29E-01	1,21E-01	4,72E-02	8,07E-02	1,29E-01	1,21E-01
0,2083	5,84E-02	9,96E-02	1,59E-01	1,49E-01	5,84E-02	9,96E-02	1,59E-01	1,49E-01
0,25	6,93E-02	1,18E-01	1,88E-01	1,77E-01	6,93E-02	1,18E-01	1,88E-01	1,77E-01
0,2917	8,01E-02	1,36E-01	2,16E-01	2,03E-01	8,00E-02	1,36E-01	2,16E-01	2,03E-01
0,3333	9,05E-02	1,53E-01	2,43E-01	2,29E-01	9,05E-02	1,53E-01	2,43E-01	2,29E-01
0,375	1,01E-01	1,70E-01	2,70E-01	2,54E-01	1,01E-01	1,70E-01	2,70E-01	2,54E-01
0,4167	1,11E-01	1,87E-01	2,96E-01	2,79E-01	1,11E-01	1,87E-01	2,96E-01	2,79E-01
0,4583	1,21E-01	2,03E-01	3,22E-01	3,03E-01	1,21E-01	2,03E-01	3,22E-01	3,03E-01
0,5	1,30E-01	2,19E-01	3,46E-01	3,26E-01	1,30E-01	2,19E-01	3,46E-01	3,26E-01
0,5417	1,40E-01	2,35E-01	3,71E-01	3,48E-01	1,40E-01	2,35E-01	3,71E-01	3,48E-01
0,5833	1,49E-01	2,50E-01	3,94E-01	3,70E-01	1,49E-01	2,50E-01	3,94E-01	3,70E-01
0,625	1,58E-01	2,64E-01	4,17E-01	3,92E-01	1,58E-01	2,64E-01	4,17E-01	3,92E-01
0,6667	1,67E-01	2,79E-01	4,39E-01	4,12E-01	1,67E-01	2,79E-01	4,39E-01	4,12E-01
0,7083	1,76E-01	2,93E-01	4,61E-01	4,33E-01	1,75E-01	2,92E-01	4,60E-01	4,33E-01
0,75	1,84E-01	3,06E-01	4,81E-01	4,52E-01	1,84E-01	3,06E-01	4,81E-01	4,52E-01
0,7917	1,92E-01	3,19E-01	5,02E-01	4,71E-01	1,92E-01	3,19E-01	5,02E-01	4,71E-01
0,8333	2,00E-01	3,32E-01	5,21E-01	4,89E-01	2,00E-01	3,32E-01	5,21E-01	4,89E-01
0,875	2,08E-01	3,45E-01	5,40E-01	5,07E-01	2,08E-01	3,44E-01	5,40E-01	5,07E-01
0,9167	2,16E-01	3,57E-01	5,59E-01	5,24E-01	2,16E-01	3,56E-01	5,59E-01	5,24E-01
0,9583	2,24E-01	3,68E-01	5,77E-01	5,41E-01	2,23E-01	3,68E-01	5,77E-01	5,41E-01
1	2,31E-01	3,80E-01	5,94E-01	5,57E-01	2,31E-01	3,79E-01	5,94E-01	5,57E-01
1,083	2,45E-01	4,01E-01	6,26E-01	5,87E-01	2,45E-01	4,01E-01	6,26E-01	5,87E-01
1,167	2,59E-01	4,22E-01	6,57E-01	6,15E-01	2,58E-01	4,21E-01	6,57E-01	6,15E-01
1,25	2,72E-01	4,41E-01	6,85E-01	6,41E-01	2,71E-01	4,40E-01	6,85E-01	6,41E-01
1,333	2,84E-01	4,59E-01	7,11E-01	6,65E-01	2,83E-01	4,58E-01	7,11E-01	6,65E-01
1,417	2,96E-01	4,75E-01	7,35E-01	6,87E-01	2,95E-01	4,75E-01	7,35E-01	6,87E-01
1,5	3,07E-01	4,90E-01	7,57E-01	7,07E-01	3,06E-01	4,90E-01	7,57E-01	7,07E-01
1,667	3,27E-01	5,18E-01	7,95E-01	7,42E-01	3,27E-01	5,18E-01	7,95E-01	7,43E-01
1,833	3,46E-01	5,42E-01	8,27E-01	7,71E-01	3,45E-01	5,41E-01	8,28E-01	7,72E-01
2	3,63E-01	5,62E-01	8,54E-01	7,95E-01	3,62E-01	5,62E-01	8,54E-01	7,95E-01
3	4,35E-01	6,37E-01	9,38E-01	8,66E-01	4,33E-01	6,37E-01	9,39E-01	8,68E-01
4	4,77E-01	6,72E-01	9,66E-01	8,86E-01	4,75E-01	6,71E-01	9,67E-01	8,88E-01
5	5,04E-01	6,92E-01	9,77E-01	8,92E-01	5,01E-01	6,91E-01	9,79E-01	8,95E-01
6	5,21E-01	7,04E-01	9,84E-01	8,95E-01	5,18E-01	7,03E-01	9,86E-01	8,98E-01
7	5,32E-01	7,11E-01	9,88E-01	8,97E-01	5,29E-01	7,11E-01	9,90E-01	9,00E-01
8	5,39E-01	7,16E-01	9,90E-01	8,98E-01	5,36E-01	7,16E-01	9,93E-01	9,02E-01
9	5,44E-01	7,20E-01	9,92E-01	8,99E-01	5,41E-01	7,19E-01	9,95E-01	9,02E-01
10	5,47E-01	7,22E-01	9,93E-01	9,00E-01	5,44E-01	7,21E-01	9,96E-01	9,03E-01
11	5,49E-01	7,23E-01	9,94E-01	9,00E-01	5,46E-01	7,23E-01	9,97E-01	9,03E-01
12	5,50E-01	7,24E-01	9,94E-01	9,00E-01	5,48E-01	7,24E-01	9,97E-01	9,04E-01
13	5,51E-01	7,25E-01	9,95E-01	9,00E-01	5,49E-01	7,24E-01	9,98E-01	9,04E-01
14	5,52E-01	7,25E-01	9,95E-01	9,00E-01	5,49E-01	7,25E-01	9,98E-01	9,04E-01
15	5,52E-01	7,26E-01	9,95E-01	9,01E-01	5,50E-01	7,25E-01	9,98E-01	9,04E-01
16	5,52E-01	7,26E-01	9,95E-01	9,01E-01	5,50E-01	7,25E-01	9,98E-01	9,04E-01
17	5,52E-01	7,26E-01	9,95E-01	9,01E-01	5,50E-01	7,25E-01	9,98E-01	9,04E-01
18	5,53E-01	7,26E-01	9,95E-01	9,01E-01	5,50E-01	7,25E-01	9,98E-01	9,04E-01
Eff. Dosis	6,6E-10	6,6E-10	7,3E-10	6,1E-10	5,3E-10	5,7E-10	6,8E-10	5,8E-10
Gebärmutter	1,3E-10	3,7E-10	7,0E-10	6,9E-10	1,4E-10	3,8E-10	7,0E-10	6,9E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-139								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,80E-01	4,59E-01	7,17E-01	6,72E-01	2,80E-01	4,59E-01	7,17E-01	6,72E-01
2	5,16E-01	7,87E-01	1,19E+00	1,10E+00	5,19E-01	7,88E-01	1,18E+00	1,10E+00
3	7,10E-01	9,90E-01	1,42E+00	1,30E+00	7,17E-01	9,92E-01	1,41E+00	1,29E+00
3,5	7,97E-01	1,07E+00	1,48E+00	1,35E+00	8,06E-01	1,07E+00	1,48E+00	1,34E+00
4	8,81E-01	1,13E+00	1,53E+00	1,38E+00	8,91E-01	1,13E+00	1,52E+00	1,37E+00
5	1,04E+00	1,25E+00	1,61E+00	1,43E+00	1,06E+00	1,26E+00	1,60E+00	1,41E+00
6	1,20E+00	1,37E+00	1,68E+00	1,46E+00	1,22E+00	1,37E+00	1,66E+00	1,44E+00
7	1,36E+00	1,48E+00	1,74E+00	1,49E+00	1,37E+00	1,48E+00	1,72E+00	1,47E+00
8	1,51E+00	1,59E+00	1,80E+00	1,53E+00	1,52E+00	1,59E+00	1,77E+00	1,50E+00
9	1,67E+00	1,70E+00	1,86E+00	1,56E+00	1,67E+00	1,69E+00	1,83E+00	1,52E+00
10	1,82E+00	1,81E+00	1,93E+00	1,59E+00	1,82E+00	1,80E+00	1,88E+00	1,55E+00
11	1,97E+00	1,91E+00	1,99E+00	1,62E+00	1,97E+00	1,90E+00	1,94E+00	1,57E+00
12	2,13E+00	2,02E+00	2,05E+00	1,66E+00	2,11E+00	2,01E+00	1,99E+00	1,60E+00
13	2,28E+00	2,13E+00	2,11E+00	1,69E+00	2,26E+00	2,11E+00	2,04E+00	1,62E+00
14	2,42E+00	2,23E+00	2,17E+00	1,72E+00	2,40E+00	2,21E+00	2,10E+00	1,65E+00
15	2,57E+00	2,34E+00	2,23E+00	1,75E+00	2,54E+00	2,31E+00	2,15E+00	1,67E+00
20	3,30E+00	2,86E+00	2,52E+00	1,90E+00	3,22E+00	2,80E+00	2,40E+00	1,79E+00
30	4,69E+00	3,84E+00	3,08E+00	2,19E+00	4,51E+00	3,72E+00	2,88E+00	2,02E+00
40	5,99E+00	4,77E+00	3,61E+00	2,47E+00	5,71E+00	4,58E+00	3,32E+00	2,22E+00
45	6,62E+00	5,21E+00	3,86E+00	2,60E+00	6,28E+00	4,99E+00	3,53E+00	2,32E+00
50	7,23E+00	5,64E+00	4,10E+00	2,72E+00	6,83E+00	5,38E+00	3,74E+00	2,42E+00
60	8,39E+00	6,47E+00	4,57E+00	2,97E+00	7,87E+00	6,13E+00	4,13E+00	2,60E+00
70	9,50E+00	7,26E+00	5,02E+00	3,20E+00	8,85E+00	6,83E+00	4,49E+00	2,77E+00
80	1,05E+01	8,00E+00	5,44E+00	3,42E+00	9,77E+00	7,49E+00	4,83E+00	2,93E+00
90	1,15E+01	8,70E+00	5,84E+00	3,63E+00	1,06E+01	8,10E+00	5,15E+00	3,08E+00
100	1,25E+01	9,37E+00	6,22E+00	3,82E+00	1,14E+01	8,68E+00	5,45E+00	3,22E+00
120	1,42E+01	1,06E+01	6,91E+00	4,19E+00	1,29E+01	9,73E+00	5,99E+00	3,48E+00
180	1,84E+01	1,36E+01	8,62E+00	5,07E+00	1,64E+01	1,22E+01	7,28E+00	4,08E+00
200	1,96E+01	1,44E+01	9,08E+00	5,31E+00	1,73E+01	1,29E+01	7,62E+00	4,24E+00
300	2,38E+01	1,74E+01	1,08E+01	6,20E+00	2,05E+01	1,52E+01	8,84E+00	4,82E+00
360	2,55E+01	1,86E+01	1,15E+01	6,55E+00	2,18E+01	1,61E+01	9,30E+00	5,04E+00
365	2,56E+01	1,87E+01	1,15E+01	6,58E+00	2,19E+01	1,62E+01	9,34E+00	5,05E+00
400	2,64E+01	1,92E+01	1,18E+01	6,73E+00	2,24E+01	1,65E+01	9,54E+00	5,15E+00
500	2,79E+01	2,03E+01	1,24E+01	7,05E+00	2,35E+01	1,73E+01	9,96E+00	5,35E+00
600	2,88E+01	2,10E+01	1,28E+01	7,24E+00	2,42E+01	1,78E+01	1,02E+01	5,46E+00
700	2,93E+01	2,13E+01	1,30E+01	7,36E+00	2,46E+01	1,81E+01	1,04E+01	5,53E+00
800	2,97E+01	2,16E+01	1,31E+01	7,42E+00	2,48E+01	1,83E+01	1,04E+01	5,57E+00
900	2,98E+01	2,17E+01	1,32E+01	7,46E+00	2,50E+01	1,84E+01	1,05E+01	5,60E+00
1000	3,00E+01	2,18E+01	1,33E+01	7,49E+00	2,50E+01	1,84E+01	1,05E+01	5,61E+00
2000	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
3000	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
4000	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
5000	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
6000	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
8000	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
10000	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
13500	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
14600	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
18250	3,01E+01	2,19E+01	1,33E+01	7,52E+00	2,52E+01	1,85E+01	1,06E+01	5,64E+00
Eff. Dosis	1,1E-09	8,0E-10	5,2E-10	3,1E-10	1,5E-09	1,1E-09	6,5E-10	3,6E-10
Gebärmutter	2,6E-10	2,4E-10	2,3E-10	1,8E-10	1,5E-10	1,6E-10	1,8E-10	1,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-139						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,59E-01	7,17E-01	6,72E-01	9,39E-01	9,79E-01
2	5,20E-01	7,89E-01	1,18E+00	1,10E+00	1,47E+00	1,92E+00
3	7,18E-01	9,93E-01	1,41E+00	1,29E+00	1,65E+00	2,84E+00
3,5	8,08E-01	1,07E+00	1,47E+00	1,34E+00	1,68E+00	3,30E+00
4	8,94E-01	1,14E+00	1,52E+00	1,37E+00	1,69E+00	3,75E+00
5	1,06E+00	1,26E+00	1,59E+00	1,41E+00	1,70E+00	4,64E+00
6	1,22E+00	1,37E+00	1,65E+00	1,44E+00	1,71E+00	5,53E+00
7	1,37E+00	1,48E+00	1,71E+00	1,46E+00	1,71E+00	6,41E+00
8	1,53E+00	1,59E+00	1,77E+00	1,49E+00	1,71E+00	7,28E+00
9	1,68E+00	1,69E+00	1,82E+00	1,51E+00	1,71E+00	8,14E+00
10	1,82E+00	1,80E+00	1,87E+00	1,54E+00	1,71E+00	9,00E+00
11	1,97E+00	1,90E+00	1,93E+00	1,56E+00	1,71E+00	9,86E+00
12	2,11E+00	2,00E+00	1,98E+00	1,59E+00	1,71E+00	1,07E+01
13	2,25E+00	2,10E+00	2,03E+00	1,61E+00	1,71E+00	1,16E+01
14	2,39E+00	2,20E+00	2,08E+00	1,63E+00	1,71E+00	1,24E+01
15	2,53E+00	2,30E+00	2,13E+00	1,65E+00	1,71E+00	1,32E+01
20	3,21E+00	2,79E+00	2,37E+00	1,77E+00	1,71E+00	1,73E+01
30	4,47E+00	3,70E+00	2,83E+00	1,97E+00	1,72E+00	2,51E+01
40	5,66E+00	4,55E+00	3,26E+00	2,17E+00	1,72E+00	3,25E+01
45	6,22E+00	4,95E+00	3,46E+00	2,26E+00	1,72E+00	3,60E+01
50	6,76E+00	5,34E+00	3,66E+00	2,35E+00	1,72E+00	3,94E+01
60	7,78E+00	6,08E+00	4,03E+00	2,51E+00	1,73E+00	4,60E+01
70	8,74E+00	6,77E+00	4,38E+00	2,67E+00	1,73E+00	5,22E+01
80	9,64E+00	7,41E+00	4,70E+00	2,82E+00	1,73E+00	5,81E+01
90	1,05E+01	8,01E+00	5,01E+00	2,96E+00	1,74E+00	6,37E+01
100	1,13E+01	8,57E+00	5,29E+00	3,08E+00	1,74E+00	6,90E+01
120	1,27E+01	9,58E+00	5,80E+00	3,31E+00	1,74E+00	7,88E+01
180	1,59E+01	1,19E+01	6,98E+00	3,85E+00	1,76E+00	1,03E+02
200	1,67E+01	1,25E+01	7,28E+00	3,98E+00	1,76E+00	1,09E+02
300	1,96E+01	1,45E+01	8,30E+00	4,45E+00	1,77E+00	1,33E+02
360	2,06E+01	1,53E+01	8,67E+00	4,62E+00	1,78E+00	1,43E+02
365	2,06E+01	1,53E+01	8,70E+00	4,63E+00	1,78E+00	1,43E+02
400	2,11E+01	1,56E+01	8,85E+00	4,70E+00	1,78E+00	1,48E+02
500	2,19E+01	1,62E+01	9,14E+00	4,84E+00	1,78E+00	1,56E+02
600	2,23E+01	1,65E+01	9,31E+00	4,91E+00	1,78E+00	1,61E+02
700	2,26E+01	1,67E+01	9,40E+00	4,95E+00	1,79E+00	1,64E+02
800	2,27E+01	1,68E+01	9,45E+00	4,98E+00	1,79E+00	1,66E+02
900	2,28E+01	1,69E+01	9,48E+00	4,99E+00	1,79E+00	1,67E+02
1000	2,28E+01	1,69E+01	9,50E+00	5,00E+00	1,79E+00	1,68E+02
2000	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
3000	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
4000	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
5000	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
6000	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
8000	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
10000	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
13500	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
14600	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
18250	2,29E+01	1,70E+01	9,53E+00	5,01E+00	1,79E+00	1,69E+02
Eff. Dosis	1,9E-09	1,4E-09	8,2E-10	4,4E-10	8,8E-11	5,8E-09
Gebärmutter	4,43E-11	8,5E-11	1,4E-10	1,4E-10	2,2E-10	1,4E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-139								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,80E-01	4,59E-01	7,17E-01	6,72E-01	2,80E-01	4,59E-01	7,17E-01	6,72E-01
2	5,20E-01	7,89E-01	1,18E+00	1,10E+00	5,18E-01	7,88E-01	1,18E+00	1,10E+00
3	7,18E-01	9,93E-01	1,41E+00	1,29E+00	7,14E-01	9,91E-01	1,41E+00	1,29E+00
3,5	8,08E-01	1,07E+00	1,47E+00	1,34E+00	8,03E-01	1,07E+00	1,48E+00	1,34E+00
4	8,94E-01	1,14E+00	1,52E+00	1,37E+00	8,87E-01	1,13E+00	1,53E+00	1,37E+00
5	1,06E+00	1,26E+00	1,59E+00	1,41E+00	1,05E+00	1,25E+00	1,60E+00	1,42E+00
6	1,22E+00	1,37E+00	1,65E+00	1,44E+00	1,21E+00	1,37E+00	1,66E+00	1,45E+00
7	1,37E+00	1,48E+00	1,71E+00	1,46E+00	1,37E+00	1,48E+00	1,72E+00	1,48E+00
8	1,53E+00	1,59E+00	1,77E+00	1,49E+00	1,52E+00	1,59E+00	1,78E+00	1,51E+00
9	1,68E+00	1,69E+00	1,82E+00	1,51E+00	1,67E+00	1,70E+00	1,84E+00	1,54E+00
10	1,82E+00	1,80E+00	1,87E+00	1,54E+00	1,82E+00	1,80E+00	1,90E+00	1,56E+00
11	1,97E+00	1,90E+00	1,93E+00	1,56E+00	1,97E+00	1,91E+00	1,96E+00	1,59E+00
12	2,11E+00	2,00E+00	1,98E+00	1,59E+00	2,12E+00	2,01E+00	2,01E+00	1,62E+00
13	2,25E+00	2,10E+00	2,03E+00	1,61E+00	2,26E+00	2,12E+00	2,07E+00	1,65E+00
14	2,39E+00	2,20E+00	2,08E+00	1,63E+00	2,41E+00	2,22E+00	2,12E+00	1,67E+00
15	2,53E+00	2,30E+00	2,13E+00	1,65E+00	2,55E+00	2,32E+00	2,18E+00	1,70E+00
20	3,20E+00	2,78E+00	2,37E+00	1,76E+00	3,25E+00	2,82E+00	2,45E+00	1,83E+00
30	4,47E+00	3,70E+00	2,83E+00	1,97E+00	4,58E+00	3,77E+00	2,95E+00	2,08E+00
40	5,65E+00	4,54E+00	3,26E+00	2,16E+00	5,82E+00	4,65E+00	3,43E+00	2,31E+00
45	6,21E+00	4,94E+00	3,46E+00	2,25E+00	6,41E+00	5,08E+00	3,66E+00	2,42E+00
50	6,75E+00	5,33E+00	3,65E+00	2,34E+00	6,98E+00	5,48E+00	3,88E+00	2,53E+00
60	7,77E+00	6,07E+00	4,02E+00	2,51E+00	8,08E+00	6,27E+00	4,30E+00	2,74E+00
70	8,73E+00	6,75E+00	4,37E+00	2,67E+00	9,11E+00	7,00E+00	4,69E+00	2,93E+00
80	9,62E+00	7,39E+00	4,69E+00	2,81E+00	1,01E+01	7,69E+00	5,06E+00	3,11E+00
90	1,05E+01	7,99E+00	4,99E+00	2,95E+00	1,10E+01	8,34E+00	5,41E+00	3,29E+00
100	1,12E+01	8,55E+00	5,27E+00	3,07E+00	1,18E+01	8,95E+00	5,74E+00	3,45E+00
120	1,26E+01	9,56E+00	5,78E+00	3,30E+00	1,34E+01	1,01E+01	6,35E+00	3,74E+00
180	1,59E+01	1,19E+01	6,96E+00	3,83E+00	1,71E+01	1,27E+01	7,78E+00	4,45E+00
200	1,67E+01	1,25E+01	7,25E+00	3,97E+00	1,81E+01	1,34E+01	8,17E+00	4,64E+00
300	1,95E+01	1,45E+01	8,29E+00	4,44E+00	2,17E+01	1,60E+01	9,54E+00	5,32E+00
360	2,06E+01	1,53E+01	8,67E+00	4,61E+00	2,31E+01	1,70E+01	1,01E+01	5,58E+00
365	2,06E+01	1,53E+01	8,69E+00	4,62E+00	2,31E+01	1,70E+01	1,01E+01	5,60E+00
400	2,11E+01	1,56E+01	8,85E+00	4,69E+00	2,37E+01	1,75E+01	1,03E+01	5,72E+00
500	2,19E+01	1,63E+01	9,16E+00	4,84E+00	2,49E+01	1,83E+01	1,08E+01	5,95E+00
600	2,24E+01	1,66E+01	9,34E+00	4,92E+00	2,56E+01	1,88E+01	1,11E+01	6,08E+00
700	2,27E+01	1,68E+01	9,44E+00	4,96E+00	2,61E+01	1,91E+01	1,12E+01	6,17E+00
800	2,29E+01	1,69E+01	9,50E+00	4,99E+00	2,63E+01	1,93E+01	1,13E+01	6,21E+00
900	2,30E+01	1,70E+01	9,53E+00	5,00E+00	2,65E+01	1,94E+01	1,14E+01	6,24E+00
1000	2,30E+01	1,70E+01	9,55E+00	5,01E+00	2,65E+01	1,94E+01	1,14E+01	6,26E+00
2000	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
3000	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
4000	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
5000	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
6000	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
8000	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
10000	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
13500	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
14600	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
18250	2,31E+01	1,71E+01	9,58E+00	5,03E+00	2,67E+01	1,95E+01	1,15E+01	6,28E+00
Eff. Dosis	1,8E-09	1,3E-09	7,7E-10	4,2E-10	1,4E-09	1,1E-09	6,3E-10	3,6E-10
Gebärmutter	6,5E-11	1,0E-10	1,5E-10	1,4E-10	1,7E-10	1,7E-10	1,9E-10	1,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-141								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,77E-01	4,55E-01	7,11E-01	6,67E-01	2,78E-01	4,55E-01	7,11E-01	6,67E-01
2	5,08E-01	7,76E-01	1,17E+00	1,09E+00	5,11E-01	7,77E-01	1,17E+00	1,08E+00
3	6,94E-01	9,71E-01	1,39E+00	1,27E+00	7,01E-01	9,73E-01	1,39E+00	1,27E+00
3,5	7,77E-01	1,04E+00	1,45E+00	1,32E+00	7,85E-01	1,05E+00	1,45E+00	1,31E+00
4	8,56E-01	1,10E+00	1,50E+00	1,35E+00	8,66E-01	1,11E+00	1,49E+00	1,34E+00
5	1,01E+00	1,22E+00	1,57E+00	1,39E+00	1,02E+00	1,22E+00	1,56E+00	1,38E+00
6	1,15E+00	1,32E+00	1,63E+00	1,43E+00	1,16E+00	1,32E+00	1,62E+00	1,41E+00
7	1,29E+00	1,42E+00	1,69E+00	1,46E+00	1,30E+00	1,42E+00	1,67E+00	1,43E+00
8	1,43E+00	1,52E+00	1,74E+00	1,49E+00	1,44E+00	1,52E+00	1,72E+00	1,46E+00
9	1,57E+00	1,61E+00	1,80E+00	1,51E+00	1,57E+00	1,61E+00	1,77E+00	1,48E+00
10	1,70E+00	1,71E+00	1,85E+00	1,54E+00	1,70E+00	1,70E+00	1,81E+00	1,50E+00
11	1,82E+00	1,80E+00	1,90E+00	1,57E+00	1,82E+00	1,79E+00	1,86E+00	1,53E+00
12	1,95E+00	1,89E+00	1,95E+00	1,60E+00	1,94E+00	1,87E+00	1,90E+00	1,55E+00
13	2,07E+00	1,97E+00	2,00E+00	1,62E+00	2,06E+00	1,96E+00	1,95E+00	1,57E+00
14	2,19E+00	2,06E+00	2,05E+00	1,65E+00	2,17E+00	2,04E+00	1,99E+00	1,59E+00
15	2,31E+00	2,14E+00	2,10E+00	1,67E+00	2,28E+00	2,12E+00	2,03E+00	1,61E+00
20	2,86E+00	2,53E+00	2,32E+00	1,79E+00	2,80E+00	2,48E+00	2,22E+00	1,69E+00
30	3,78E+00	3,19E+00	2,69E+00	1,98E+00	3,65E+00	3,10E+00	2,54E+00	1,84E+00
40	4,52E+00	3,71E+00	2,99E+00	2,13E+00	4,33E+00	3,59E+00	2,79E+00	1,96E+00
45	4,83E+00	3,93E+00	3,12E+00	2,20E+00	4,62E+00	3,79E+00	2,90E+00	2,01E+00
50	5,11E+00	4,13E+00	3,23E+00	2,26E+00	4,87E+00	3,97E+00	2,99E+00	2,05E+00
60	5,59E+00	4,47E+00	3,42E+00	2,36E+00	5,30E+00	4,28E+00	3,15E+00	2,13E+00
70	5,97E+00	4,74E+00	3,57E+00	2,44E+00	5,64E+00	4,52E+00	3,27E+00	2,19E+00
80	6,28E+00	4,96E+00	3,70E+00	2,50E+00	5,91E+00	4,71E+00	3,38E+00	2,23E+00
90	6,53E+00	5,14E+00	3,80E+00	2,55E+00	6,12E+00	4,87E+00	3,45E+00	2,27E+00
100	6,73E+00	5,28E+00	3,88E+00	2,60E+00	6,29E+00	4,99E+00	3,52E+00	2,30E+00
120	7,02E+00	5,49E+00	4,00E+00	2,66E+00	6,54E+00	5,17E+00	3,61E+00	2,35E+00
180	7,41E+00	5,76E+00	4,15E+00	2,74E+00	6,86E+00	5,40E+00	3,73E+00	2,40E+00
200	7,46E+00	5,80E+00	4,17E+00	2,75E+00	6,90E+00	5,43E+00	3,74E+00	2,41E+00
300	7,55E+00	5,86E+00	4,21E+00	2,77E+00	6,97E+00	5,47E+00	3,77E+00	2,42E+00
360	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,97E+00	5,48E+00	3,77E+00	2,42E+00
365	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,97E+00	5,48E+00	3,77E+00	2,42E+00
400	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
500	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
600	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
700	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
800	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
900	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
1000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
2000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
3000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
4000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
5000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
6000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
8000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
10000	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
13500	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
14600	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
18250	7,56E+00	5,87E+00	4,21E+00	2,77E+00	6,98E+00	5,48E+00	3,77E+00	2,42E+00
Eff. Dosis	5,6E-10	4,3E-10	3,4E-10	2,3E-10	1,5E-09	1,1E-09	7,1E-10	4,2E-10
Gebärmutter	7,3E-11	7,6E-11	8,5E-11	7,2E-11	3,3E-11	4,8E-11	6,9E-11	6,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-141						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,78E-01	4,56E-01	7,11E-01	6,67E-01	9,32E-01	9,71E-01
2	5,12E-01	7,77E-01	1,17E+00	1,08E+00	1,45E+00	1,89E+00
3	7,03E-01	9,73E-01	1,39E+00	1,27E+00	1,62E+00	2,78E+00
3,5	7,88E-01	1,05E+00	1,45E+00	1,31E+00	1,65E+00	3,21E+00
4	8,68E-01	1,11E+00	1,49E+00	1,34E+00	1,67E+00	3,63E+00
5	1,02E+00	1,22E+00	1,56E+00	1,38E+00	1,67E+00	4,46E+00
6	1,17E+00	1,32E+00	1,61E+00	1,41E+00	1,68E+00	5,27E+00
7	1,31E+00	1,42E+00	1,66E+00	1,43E+00	1,68E+00	6,06E+00
8	1,44E+00	1,52E+00	1,71E+00	1,45E+00	1,68E+00	6,83E+00
9	1,57E+00	1,61E+00	1,76E+00	1,47E+00	1,68E+00	7,59E+00
10	1,70E+00	1,70E+00	1,81E+00	1,49E+00	1,68E+00	8,32E+00
11	1,82E+00	1,79E+00	1,85E+00	1,51E+00	1,68E+00	9,04E+00
12	1,94E+00	1,87E+00	1,89E+00	1,53E+00	1,68E+00	9,75E+00
13	2,06E+00	1,95E+00	1,93E+00	1,55E+00	1,68E+00	1,04E+01
14	2,17E+00	2,03E+00	1,97E+00	1,57E+00	1,68E+00	1,11E+01
15	2,28E+00	2,11E+00	2,01E+00	1,59E+00	1,68E+00	1,18E+01
20	2,78E+00	2,48E+00	2,20E+00	1,67E+00	1,68E+00	1,48E+01
30	3,63E+00	3,08E+00	2,50E+00	1,81E+00	1,68E+00	2,00E+01
40	4,30E+00	3,56E+00	2,75E+00	1,92E+00	1,69E+00	2,42E+01
45	4,58E+00	3,77E+00	2,85E+00	1,97E+00	1,69E+00	2,60E+01
50	4,83E+00	3,94E+00	2,94E+00	2,01E+00	1,69E+00	2,75E+01
60	5,25E+00	4,25E+00	3,09E+00	2,08E+00	1,69E+00	3,02E+01
70	5,58E+00	4,49E+00	3,21E+00	2,13E+00	1,69E+00	3,24E+01
80	5,84E+00	4,67E+00	3,31E+00	2,17E+00	1,69E+00	3,41E+01
90	6,05E+00	4,83E+00	3,38E+00	2,21E+00	1,69E+00	3,55E+01
100	6,22E+00	4,94E+00	3,44E+00	2,23E+00	1,69E+00	3,67E+01
120	6,45E+00	5,11E+00	3,53E+00	2,27E+00	1,69E+00	3,83E+01
180	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	4,05E+01
200	6,79E+00	5,36E+00	3,65E+00	2,33E+00	1,70E+00	4,08E+01
300	6,85E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,13E+01
360	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,13E+01
365	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,13E+01
400	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
500	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
600	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
700	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
800	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
900	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
1000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
2000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
3000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
4000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
5000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
6000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
8000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
10000	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
13500	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
14600	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
18250	6,86E+00	5,40E+00	3,67E+00	2,34E+00	1,70E+00	4,14E+01
Eff. Dosis	1,9E-09	1,3E-09	8,5E-10	4,9E-10	6,3E-11	2,2E-09
Gebärmutter	1,45E-11	3,4E-11	6,2E-11	6,0E-11	9,8E-11	3,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-141								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,78E-01	4,56E-01	7,11E-01	6,67E-01	2,78E-01	4,55E-01	7,11E-01	6,67E-01
2	5,12E-01	7,77E-01	1,17E+00	1,08E+00	5,10E-01	7,77E-01	1,17E+00	1,08E+00
3	7,03E-01	9,73E-01	1,39E+00	1,27E+00	6,98E-01	9,72E-01	1,39E+00	1,27E+00
3,5	7,88E-01	1,05E+00	1,45E+00	1,31E+00	7,82E-01	1,04E+00	1,45E+00	1,32E+00
4	8,68E-01	1,11E+00	1,49E+00	1,34E+00	8,62E-01	1,11E+00	1,50E+00	1,35E+00
5	1,02E+00	1,22E+00	1,56E+00	1,38E+00	1,01E+00	1,22E+00	1,56E+00	1,39E+00
6	1,17E+00	1,32E+00	1,61E+00	1,41E+00	1,16E+00	1,32E+00	1,62E+00	1,42E+00
7	1,31E+00	1,42E+00	1,66E+00	1,43E+00	1,30E+00	1,42E+00	1,68E+00	1,44E+00
8	1,44E+00	1,52E+00	1,71E+00	1,45E+00	1,44E+00	1,52E+00	1,73E+00	1,47E+00
9	1,57E+00	1,61E+00	1,76E+00	1,47E+00	1,57E+00	1,61E+00	1,78E+00	1,49E+00
10	1,70E+00	1,70E+00	1,80E+00	1,49E+00	1,70E+00	1,70E+00	1,83E+00	1,52E+00
11	1,82E+00	1,79E+00	1,85E+00	1,51E+00	1,82E+00	1,79E+00	1,88E+00	1,54E+00
12	1,94E+00	1,87E+00	1,89E+00	1,53E+00	1,94E+00	1,88E+00	1,92E+00	1,56E+00
13	2,05E+00	1,95E+00	1,93E+00	1,55E+00	2,06E+00	1,96E+00	1,97E+00	1,59E+00
14	2,17E+00	2,03E+00	1,97E+00	1,57E+00	2,18E+00	2,05E+00	2,01E+00	1,61E+00
15	2,28E+00	2,11E+00	2,01E+00	1,59E+00	2,29E+00	2,13E+00	2,06E+00	1,63E+00
20	2,78E+00	2,47E+00	2,20E+00	1,67E+00	2,82E+00	2,50E+00	2,26E+00	1,73E+00
30	3,63E+00	3,08E+00	2,50E+00	1,81E+00	3,70E+00	3,13E+00	2,60E+00	1,89E+00
40	4,29E+00	3,56E+00	2,74E+00	1,92E+00	4,40E+00	3,63E+00	2,87E+00	2,03E+00
45	4,57E+00	3,76E+00	2,84E+00	1,96E+00	4,70E+00	3,85E+00	2,98E+00	2,08E+00
50	4,82E+00	3,94E+00	2,93E+00	2,00E+00	4,96E+00	4,04E+00	3,08E+00	2,13E+00
60	5,24E+00	4,24E+00	3,09E+00	2,07E+00	5,41E+00	4,35E+00	3,25E+00	2,21E+00
70	5,57E+00	4,48E+00	3,21E+00	2,13E+00	5,77E+00	4,61E+00	3,39E+00	2,28E+00
80	5,83E+00	4,67E+00	3,30E+00	2,17E+00	6,05E+00	4,81E+00	3,50E+00	2,34E+00
90	6,04E+00	4,82E+00	3,38E+00	2,20E+00	6,28E+00	4,98E+00	3,59E+00	2,38E+00
100	6,21E+00	4,94E+00	3,44E+00	2,23E+00	6,46E+00	5,11E+00	3,66E+00	2,41E+00
120	6,44E+00	5,11E+00	3,52E+00	2,27E+00	6,73E+00	5,29E+00	3,76E+00	2,46E+00
180	6,74E+00	5,32E+00	3,63E+00	2,32E+00	7,07E+00	5,54E+00	3,89E+00	2,53E+00
200	6,78E+00	5,35E+00	3,64E+00	2,32E+00	7,12E+00	5,57E+00	3,91E+00	2,54E+00
300	6,84E+00	5,39E+00	3,66E+00	2,33E+00	7,19E+00	5,62E+00	3,94E+00	2,55E+00
360	6,84E+00	5,39E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
365	6,84E+00	5,39E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
400	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
500	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
600	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
700	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
800	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
900	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
1000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
2000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
3000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
4000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
5000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
6000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
8000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
10000	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
13500	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
14600	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
18250	6,85E+00	5,40E+00	3,67E+00	2,34E+00	7,20E+00	5,63E+00	3,94E+00	2,55E+00
Eff. Dosis	1,9E-09	1,3E-09	8,3E-10	4,8E-10	1,2E-09	8,7E-10	5,8E-10	3,5E-10
Gebärmutter	1,6E-11	3,5E-11	6,2E-11	6,0E-11	4,5E-11	5,6E-11	7,4E-11	6,6E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-144								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,80E-01	4,59E-01	7,17E-01	6,73E-01	2,81E-01	4,60E-01	7,18E-01	6,73E-01
2	5,17E-01	7,89E-01	1,19E+00	1,10E+00	5,21E-01	7,90E-01	1,19E+00	1,10E+00
3	7,12E-01	9,93E-01	1,42E+00	1,30E+00	7,19E-01	9,95E-01	1,42E+00	1,30E+00
3,5	8,01E-01	1,07E+00	1,49E+00	1,35E+00	8,09E-01	1,07E+00	1,48E+00	1,34E+00
4	8,85E-01	1,14E+00	1,54E+00	1,38E+00	8,95E-01	1,14E+00	1,53E+00	1,37E+00
5	1,05E+00	1,26E+00	1,61E+00	1,43E+00	1,06E+00	1,26E+00	1,60E+00	1,42E+00
6	1,21E+00	1,37E+00	1,68E+00	1,47E+00	1,22E+00	1,38E+00	1,67E+00	1,45E+00
7	1,37E+00	1,49E+00	1,75E+00	1,50E+00	1,38E+00	1,49E+00	1,72E+00	1,48E+00
8	1,53E+00	1,60E+00	1,81E+00	1,53E+00	1,54E+00	1,60E+00	1,78E+00	1,50E+00
9	1,69E+00	1,71E+00	1,87E+00	1,57E+00	1,69E+00	1,71E+00	1,84E+00	1,53E+00
10	1,84E+00	1,82E+00	1,94E+00	1,60E+00	1,84E+00	1,82E+00	1,90E+00	1,56E+00
11	2,00E+00	1,93E+00	2,00E+00	1,63E+00	1,99E+00	1,92E+00	1,95E+00	1,58E+00
12	2,16E+00	2,04E+00	2,06E+00	1,67E+00	2,14E+00	2,03E+00	2,01E+00	1,61E+00
13	2,31E+00	2,15E+00	2,13E+00	1,70E+00	2,29E+00	2,13E+00	2,06E+00	1,63E+00
14	2,47E+00	2,26E+00	2,19E+00	1,73E+00	2,44E+00	2,24E+00	2,11E+00	1,66E+00
15	2,62E+00	2,37E+00	2,25E+00	1,76E+00	2,58E+00	2,34E+00	2,17E+00	1,68E+00
20	3,38E+00	2,91E+00	2,56E+00	1,92E+00	3,30E+00	2,85E+00	2,43E+00	1,81E+00
30	4,86E+00	3,96E+00	3,15E+00	2,23E+00	4,67E+00	3,84E+00	2,94E+00	2,05E+00
40	6,29E+00	4,98E+00	3,73E+00	2,53E+00	5,99E+00	4,78E+00	3,43E+00	2,28E+00
45	6,99E+00	5,48E+00	4,01E+00	2,68E+00	6,62E+00	5,23E+00	3,67E+00	2,39E+00
50	7,68E+00	5,97E+00	4,29E+00	2,82E+00	7,24E+00	5,68E+00	3,90E+00	2,49E+00
60	9,02E+00	6,92E+00	4,83E+00	3,10E+00	8,45E+00	6,55E+00	4,34E+00	2,70E+00
70	1,03E+01	7,85E+00	5,36E+00	3,38E+00	9,61E+00	7,38E+00	4,78E+00	2,91E+00
80	1,16E+01	8,75E+00	5,87E+00	3,65E+00	1,07E+01	8,17E+00	5,19E+00	3,10E+00
90	1,28E+01	9,63E+00	6,37E+00	3,90E+00	1,18E+01	8,94E+00	5,59E+00	3,29E+00
100	1,40E+01	1,05E+01	6,85E+00	4,16E+00	1,28E+01	9,68E+00	5,97E+00	3,47E+00
120	1,64E+01	1,21E+01	7,78E+00	4,64E+00	1,48E+01	1,11E+01	6,70E+00	3,81E+00
180	2,26E+01	1,66E+01	1,03E+01	5,95E+00	1,99E+01	1,47E+01	8,59E+00	4,70E+00
200	2,45E+01	1,79E+01	1,11E+01	6,34E+00	2,14E+01	1,58E+01	9,15E+00	4,96E+00
300	3,25E+01	2,36E+01	1,43E+01	8,03E+00	2,76E+01	2,02E+01	1,15E+01	6,05E+00
360	3,65E+01	2,64E+01	1,59E+01	8,86E+00	3,05E+01	2,24E+01	1,26E+01	6,58E+00
365	3,68E+01	2,66E+01	1,60E+01	8,92E+00	3,07E+01	2,25E+01	1,27E+01	6,62E+00
400	3,88E+01	2,81E+01	1,68E+01	9,34E+00	3,22E+01	2,36E+01	1,32E+01	6,88E+00
500	4,37E+01	3,15E+01	1,88E+01	1,04E+01	3,58E+01	2,61E+01	1,45E+01	7,51E+00
600	4,74E+01	3,42E+01	2,03E+01	1,12E+01	3,85E+01	2,81E+01	1,56E+01	7,99E+00
700	5,04E+01	3,63E+01	2,15E+01	1,18E+01	4,07E+01	2,96E+01	1,64E+01	8,37E+00
800	5,26E+01	3,79E+01	2,24E+01	1,22E+01	4,23E+01	3,08E+01	1,70E+01	8,66E+00
900	5,44E+01	3,91E+01	2,31E+01	1,26E+01	4,36E+01	3,17E+01	1,75E+01	8,89E+00
1000	5,58E+01	4,01E+01	2,37E+01	1,29E+01	4,46E+01	3,24E+01	1,78E+01	9,06E+00
2000	6,01E+01	4,32E+01	2,54E+01	1,38E+01	4,77E+01	3,47E+01	1,90E+01	9,62E+00
3000	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
4000	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
5000	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
6000	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
8000	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
10000	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
13500	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
14600	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
18250	6,05E+01	4,35E+01	2,56E+01	1,39E+01	4,80E+01	3,49E+01	1,91E+01	9,67E+00
Eff. Dosis	2,2E-08	1,6E-08	9,9E-09	5,5E-09	3,7E-08	2,7E-08	1,5E-08	7,2E-09
Gebärmutter	2,4E-09	1,9E-09	1,4E-09	9,6E-10	1,5E-09	1,2E-09	1,0E-09	7,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-144						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,40E-01	9,80E-01
2	5,21E-01	7,91E-01	1,19E+00	1,10E+00	1,47E+00	1,93E+00
3	7,21E-01	9,96E-01	1,42E+00	1,29E+00	1,65E+00	2,85E+00
3,5	8,11E-01	1,07E+00	1,48E+00	1,34E+00	1,68E+00	3,31E+00
4	8,98E-01	1,14E+00	1,53E+00	1,37E+00	1,70E+00	3,77E+00
5	1,07E+00	1,26E+00	1,60E+00	1,41E+00	1,71E+00	4,67E+00
6	1,23E+00	1,38E+00	1,66E+00	1,44E+00	1,71E+00	5,57E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,71E+00	6,46E+00
8	1,54E+00	1,60E+00	1,78E+00	1,50E+00	1,71E+00	7,35E+00
9	1,69E+00	1,71E+00	1,83E+00	1,52E+00	1,71E+00	8,24E+00
10	1,84E+00	1,81E+00	1,88E+00	1,55E+00	1,71E+00	9,12E+00
11	1,99E+00	1,92E+00	1,94E+00	1,57E+00	1,71E+00	1,00E+01
12	2,14E+00	2,03E+00	1,99E+00	1,59E+00	1,71E+00	1,09E+01
13	2,29E+00	2,13E+00	2,05E+00	1,62E+00	1,71E+00	1,17E+01
14	2,43E+00	2,23E+00	2,10E+00	1,64E+00	1,72E+00	1,26E+01
15	2,58E+00	2,34E+00	2,15E+00	1,67E+00	1,72E+00	1,35E+01
20	3,28E+00	2,84E+00	2,40E+00	1,78E+00	1,72E+00	1,78E+01
30	4,64E+00	3,81E+00	2,90E+00	2,00E+00	1,72E+00	2,61E+01
40	5,93E+00	4,74E+00	3,36E+00	2,22E+00	1,73E+00	3,41E+01
45	6,56E+00	5,19E+00	3,59E+00	2,32E+00	1,73E+00	3,81E+01
50	7,17E+00	5,63E+00	3,81E+00	2,42E+00	1,73E+00	4,20E+01
60	8,35E+00	6,49E+00	4,24E+00	2,61E+00	1,73E+00	4,95E+01
70	9,49E+00	7,30E+00	4,65E+00	2,80E+00	1,74E+00	5,69E+01
80	1,06E+01	8,09E+00	5,05E+00	2,98E+00	1,74E+00	6,41E+01
90	1,16E+01	8,83E+00	5,42E+00	3,15E+00	1,74E+00	7,11E+01
100	1,26E+01	9,55E+00	5,79E+00	3,31E+00	1,75E+00	7,79E+01
120	1,45E+01	1,09E+01	6,47E+00	3,62E+00	1,75E+00	9,09E+01
180	1,93E+01	1,43E+01	8,20E+00	4,40E+00	1,77E+00	1,26E+02
200	2,06E+01	1,53E+01	8,69E+00	4,63E+00	1,78E+00	1,37E+02
300	2,60E+01	1,92E+01	1,06E+01	5,52E+00	1,80E+00	1,83E+02
360	2,84E+01	2,09E+01	1,15E+01	5,91E+00	1,81E+00	2,05E+02
365	2,85E+01	2,10E+01	1,16E+01	5,94E+00	1,81E+00	2,07E+02
400	2,97E+01	2,18E+01	1,20E+01	6,13E+00	1,82E+00	2,18E+02
500	3,23E+01	2,37E+01	1,29E+01	6,56E+00	1,83E+00	2,45E+02
600	3,41E+01	2,50E+01	1,36E+01	6,87E+00	1,84E+00	2,67E+02
700	3,55E+01	2,60E+01	1,41E+01	7,10E+00	1,85E+00	2,83E+02
800	3,65E+01	2,67E+01	1,45E+01	7,27E+00	1,86E+00	2,96E+02
900	3,72E+01	2,73E+01	1,48E+01	7,40E+00	1,86E+00	3,06E+02
1000	3,78E+01	2,77E+01	1,50E+01	7,49E+00	1,87E+00	3,14E+02
2000	3,96E+01	2,90E+01	1,56E+01	7,79E+00	1,88E+00	3,39E+02
3000	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
4000	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
5000	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
6000	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
8000	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
10000	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
13500	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
14600	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
18250	3,97E+01	2,91E+01	1,57E+01	7,82E+00	1,88E+00	3,41E+02
Eff. Dosis	7,1E-08	5,1E-08	2,7E-08	1,3E-08	9,8E-10	1,2E-07
Gebärmutter	2,18E-10	3,4E-10	5,3E-10	4,9E-10	7,8E-10	1,3E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ce-144								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	2,80E-01	4,59E-01	7,18E-01	6,73E-01
2	5,21E-01	7,91E-01	1,19E+00	1,10E+00	5,19E-01	7,90E-01	1,19E+00	1,10E+00
3	7,21E-01	9,96E-01	1,42E+00	1,29E+00	7,17E-01	9,95E-01	1,42E+00	1,30E+00
3,5	8,11E-01	1,07E+00	1,48E+00	1,34E+00	8,06E-01	1,07E+00	1,48E+00	1,35E+00
4	8,98E-01	1,14E+00	1,53E+00	1,37E+00	8,92E-01	1,14E+00	1,53E+00	1,38E+00
5	1,07E+00	1,26E+00	1,60E+00	1,41E+00	1,06E+00	1,26E+00	1,61E+00	1,42E+00
6	1,23E+00	1,38E+00	1,66E+00	1,44E+00	1,22E+00	1,38E+00	1,67E+00	1,45E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,38E+00	1,49E+00	1,73E+00	1,49E+00
8	1,54E+00	1,60E+00	1,77E+00	1,50E+00	1,53E+00	1,60E+00	1,79E+00	1,51E+00
9	1,69E+00	1,71E+00	1,83E+00	1,52E+00	1,69E+00	1,71E+00	1,85E+00	1,54E+00
10	1,84E+00	1,81E+00	1,88E+00	1,55E+00	1,84E+00	1,82E+00	1,91E+00	1,57E+00
11	1,99E+00	1,92E+00	1,94E+00	1,57E+00	2,00E+00	1,93E+00	1,97E+00	1,60E+00
12	2,14E+00	2,03E+00	1,99E+00	1,59E+00	2,15E+00	2,03E+00	2,03E+00	1,63E+00
13	2,29E+00	2,13E+00	2,04E+00	1,62E+00	2,30E+00	2,14E+00	2,08E+00	1,66E+00
14	2,43E+00	2,23E+00	2,10E+00	1,64E+00	2,45E+00	2,25E+00	2,14E+00	1,69E+00
15	2,58E+00	2,34E+00	2,15E+00	1,67E+00	2,60E+00	2,35E+00	2,20E+00	1,71E+00
20	3,28E+00	2,84E+00	2,40E+00	1,78E+00	3,33E+00	2,88E+00	2,48E+00	1,85E+00
30	4,63E+00	3,81E+00	2,89E+00	2,00E+00	4,74E+00	3,89E+00	3,02E+00	2,12E+00
40	5,92E+00	4,74E+00	3,36E+00	2,21E+00	6,10E+00	4,86E+00	3,54E+00	2,37E+00
45	6,55E+00	5,19E+00	3,59E+00	2,31E+00	6,76E+00	5,33E+00	3,80E+00	2,50E+00
50	7,16E+00	5,63E+00	3,81E+00	2,41E+00	7,41E+00	5,79E+00	4,05E+00	2,62E+00
60	8,34E+00	6,48E+00	4,23E+00	2,61E+00	8,68E+00	6,70E+00	4,53E+00	2,85E+00
70	9,47E+00	7,29E+00	4,64E+00	2,79E+00	9,89E+00	7,57E+00	5,00E+00	3,08E+00
80	1,06E+01	8,07E+00	5,04E+00	2,97E+00	1,11E+01	8,41E+00	5,45E+00	3,31E+00
90	1,16E+01	8,81E+00	5,41E+00	3,14E+00	1,22E+01	9,22E+00	5,89E+00	3,52E+00
100	1,26E+01	9,53E+00	5,77E+00	3,30E+00	1,33E+01	1,00E+01	6,31E+00	3,73E+00
120	1,45E+01	1,09E+01	6,45E+00	3,61E+00	1,54E+01	1,15E+01	7,11E+00	4,12E+00
180	1,92E+01	1,43E+01	8,18E+00	4,39E+00	2,09E+01	1,54E+01	9,23E+00	5,17E+00
200	2,06E+01	1,53E+01	8,67E+00	4,61E+00	2,25E+01	1,66E+01	9,86E+00	5,47E+00
300	2,60E+01	1,92E+01	1,06E+01	5,50E+00	2,93E+01	2,14E+01	1,25E+01	6,77E+00
360	2,84E+01	2,09E+01	1,15E+01	5,90E+00	3,25E+01	2,37E+01	1,37E+01	7,39E+00
365	2,86E+01	2,11E+01	1,16E+01	5,93E+00	3,27E+01	2,39E+01	1,38E+01	7,43E+00
400	2,98E+01	2,19E+01	1,20E+01	6,13E+00	3,43E+01	2,50E+01	1,44E+01	7,74E+00
500	3,25E+01	2,39E+01	1,30E+01	6,58E+00	3,82E+01	2,78E+01	1,59E+01	8,48E+00
600	3,45E+01	2,53E+01	1,37E+01	6,91E+00	4,11E+01	2,98E+01	1,71E+01	9,05E+00
700	3,60E+01	2,64E+01	1,43E+01	7,16E+00	4,33E+01	3,14E+01	1,79E+01	9,49E+00
800	3,71E+01	2,72E+01	1,47E+01	7,35E+00	4,51E+01	3,27E+01	1,86E+01	9,82E+00
900	3,80E+01	2,78E+01	1,50E+01	7,49E+00	4,64E+01	3,36E+01	1,91E+01	1,01E+01
1000	3,87E+01	2,83E+01	1,53E+01	7,60E+00	4,74E+01	3,44E+01	1,95E+01	1,03E+01
2000	4,07E+01	2,98E+01	1,60E+01	7,95E+00	5,08E+01	3,67E+01	2,08E+01	1,09E+01
3000	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
4000	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
5000	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
6000	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
8000	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
10000	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
13500	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
14600	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
18250	4,09E+01	2,99E+01	1,61E+01	7,97E+00	5,10E+01	3,69E+01	2,09E+01	1,10E+01
Eff. Dosis	6,0E-08	4,4E-08	2,3E-08	1,1E-08	3,9E-08	2,8E-08	1,5E-08	7,8E-09
Gebärmutter	5,4E-10	5,8E-10	6,5E-10	5,5E-10	1,6E-09	1,3E-09	1,1E-09	7,6E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-152

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,73E-01	4,54E-01	7,15E-01	6,71E-01	2,79E-01	4,59E-01	7,18E-01	6,73E-01
2	4,92E-01	7,71E-01	1,18E+00	1,10E+00	5,16E-01	7,88E-01	1,19E+00	1,10E+00
3	6,65E-01	9,60E-01	1,40E+00	1,29E+00	7,11E-01	9,91E-01	1,42E+00	1,30E+00
3,5	7,42E-01	1,03E+00	1,46E+00	1,34E+00	7,99E-01	1,07E+00	1,48E+00	1,34E+00
4	8,16E-01	1,09E+00	1,51E+00	1,37E+00	8,84E-01	1,13E+00	1,53E+00	1,38E+00
5	9,58E-01	1,19E+00	1,58E+00	1,41E+00	1,05E+00	1,25E+00	1,60E+00	1,42E+00
6	1,10E+00	1,29E+00	1,64E+00	1,45E+00	1,21E+00	1,36E+00	1,66E+00	1,45E+00
7	1,24E+00	1,39E+00	1,69E+00	1,48E+00	1,36E+00	1,47E+00	1,72E+00	1,47E+00
8	1,37E+00	1,49E+00	1,75E+00	1,50E+00	1,51E+00	1,58E+00	1,78E+00	1,50E+00
9	1,51E+00	1,59E+00	1,81E+00	1,53E+00	1,67E+00	1,69E+00	1,83E+00	1,53E+00
10	1,65E+00	1,68E+00	1,86E+00	1,56E+00	1,82E+00	1,80E+00	1,89E+00	1,55E+00
11	1,78E+00	1,78E+00	1,92E+00	1,59E+00	1,96E+00	1,90E+00	1,94E+00	1,58E+00
12	1,92E+00	1,88E+00	1,97E+00	1,62E+00	2,11E+00	2,01E+00	2,00E+00	1,60E+00
13	2,06E+00	1,98E+00	2,03E+00	1,65E+00	2,26E+00	2,11E+00	2,05E+00	1,63E+00
14	2,19E+00	2,07E+00	2,08E+00	1,68E+00	2,40E+00	2,22E+00	2,10E+00	1,65E+00
15	2,33E+00	2,17E+00	2,14E+00	1,70E+00	2,55E+00	2,32E+00	2,16E+00	1,68E+00
20	3,00E+00	2,65E+00	2,41E+00	1,85E+00	3,26E+00	2,83E+00	2,42E+00	1,80E+00
30	4,34E+00	3,60E+00	2,95E+00	2,13E+00	4,65E+00	3,82E+00	2,93E+00	2,04E+00
40	5,67E+00	4,54E+00	3,48E+00	2,40E+00	6,00E+00	4,79E+00	3,43E+00	2,28E+00
45	6,32E+00	5,01E+00	3,75E+00	2,54E+00	6,67E+00	5,27E+00	3,68E+00	2,39E+00
50	6,98E+00	5,47E+00	4,01E+00	2,68E+00	7,32E+00	5,74E+00	3,92E+00	2,50E+00
60	8,28E+00	6,40E+00	4,53E+00	2,95E+00	8,61E+00	6,66E+00	4,40E+00	2,73E+00
70	9,58E+00	7,32E+00	5,06E+00	3,22E+00	9,87E+00	7,57E+00	4,87E+00	2,94E+00
80	1,09E+01	8,23E+00	5,57E+00	3,49E+00	1,11E+01	8,45E+00	5,32E+00	3,16E+00
90	1,21E+01	9,14E+00	6,09E+00	3,76E+00	1,23E+01	9,32E+00	5,77E+00	3,37E+00
100	1,34E+01	1,00E+01	6,60E+00	4,03E+00	1,35E+01	1,02E+01	6,21E+00	3,57E+00
120	1,59E+01	1,18E+01	7,61E+00	4,55E+00	1,58E+01	1,18E+01	7,06E+00	3,97E+00
180	2,33E+01	1,71E+01	1,06E+01	6,10E+00	2,23E+01	1,64E+01	9,47E+00	5,10E+00
200	2,57E+01	1,88E+01	1,16E+01	6,61E+00	2,43E+01	1,79E+01	1,02E+01	5,46E+00
300	3,75E+01	2,72E+01	1,63E+01	9,08E+00	3,38E+01	2,47E+01	1,38E+01	7,13E+00
360	4,44E+01	3,20E+01	1,91E+01	1,05E+01	3,91E+01	2,85E+01	1,58E+01	8,07E+00
365	4,49E+01	3,24E+01	1,93E+01	1,06E+01	3,96E+01	2,88E+01	1,59E+01	8,14E+00
400	4,88E+01	3,52E+01	2,09E+01	1,15E+01	4,26E+01	3,10E+01	1,70E+01	8,67E+00
500	5,98E+01	4,29E+01	2,53E+01	1,37E+01	5,08E+01	3,69E+01	2,01E+01	1,01E+01
600	7,03E+01	5,04E+01	2,95E+01	1,60E+01	5,86E+01	4,25E+01	2,30E+01	1,15E+01
700	8,05E+01	5,77E+01	3,36E+01	1,81E+01	6,61E+01	4,79E+01	2,58E+01	1,28E+01
800	9,04E+01	6,47E+01	3,76E+01	2,02E+01	7,34E+01	5,30E+01	2,85E+01	1,41E+01
900	1,00E+02	7,15E+01	4,15E+01	2,22E+01	8,04E+01	5,80E+01	3,12E+01	1,54E+01
1000	1,09E+02	7,81E+01	4,52E+01	2,41E+01	8,71E+01	6,29E+01	3,37E+01	1,66E+01
2000	1,90E+02	1,35E+02	7,76E+01	4,10E+01	1,45E+02	1,05E+02	5,55E+01	2,69E+01
3000	2,53E+02	1,80E+02	1,03E+02	5,42E+01	1,91E+02	1,37E+02	7,25E+01	3,49E+01
4000	3,03E+02	2,16E+02	1,23E+02	6,47E+01	2,27E+02	1,63E+02	8,61E+01	4,13E+01
5000	3,44E+02	2,45E+02	1,40E+02	7,33E+01	2,56E+02	1,84E+02	9,70E+01	4,65E+01
6000	3,77E+02	2,68E+02	1,53E+02	8,02E+01	2,80E+02	2,01E+02	1,06E+02	5,07E+01
8000	4,26E+02	3,03E+02	1,73E+02	9,06E+01	3,16E+02	2,27E+02	1,19E+02	5,70E+01
10000	4,60E+02	3,27E+02	1,86E+02	9,76E+01	3,40E+02	2,44E+02	1,28E+02	6,13E+01
13500	4,95E+02	3,52E+02	2,01E+02	1,05E+02	3,65E+02	2,62E+02	1,38E+02	6,58E+01
14600	5,02E+02	3,57E+02	2,03E+02	1,06E+02	3,70E+02	2,65E+02	1,40E+02	6,66E+01
18250	5,02E+02	3,57E+02	2,03E+02	1,06E+02	3,70E+02	2,65E+02	1,40E+02	6,66E+01
Eff. Dosis	5,8E-08	4,1E-08	2,4E-08	1,3E-08	4,8E-08	3,4E-08	1,8E-08	8,8E-09
Gebärmutter	3,9E-08	2,8E-08	1,6E-08	8,8E-09	2,8E-08	2,0E-08	1,1E-08	5,6E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-152

Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,41E-01	8,58E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,48E+00	1,67E+00
3	7,23E-01	9,98E-01	1,42E+00	1,30E+00	1,66E+00	2,46E+00
3,5	8,14E-01	1,08E+00	1,48E+00	1,34E+00	1,69E+00	2,86E+00
4	9,01E-01	1,14E+00	1,53E+00	1,38E+00	1,70E+00	3,25E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,71E+00	4,03E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,72E+00	4,82E+00
7	1,39E+00	1,50E+00	1,73E+00	1,47E+00	1,72E+00	5,59E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,72E+00	6,37E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	1,72E+00	7,15E+00
10	1,86E+00	1,83E+00	1,89E+00	1,55E+00	1,72E+00	7,92E+00
11	2,01E+00	1,94E+00	1,95E+00	1,58E+00	1,72E+00	8,69E+00
12	2,17E+00	2,04E+00	2,00E+00	1,60E+00	1,72E+00	9,47E+00
13	2,32E+00	2,15E+00	2,06E+00	1,63E+00	1,72E+00	1,02E+01
14	2,46E+00	2,26E+00	2,11E+00	1,65E+00	1,72E+00	1,10E+01
15	2,61E+00	2,36E+00	2,17E+00	1,68E+00	1,72E+00	1,18E+01
20	3,35E+00	2,89E+00	2,43E+00	1,80E+00	1,72E+00	1,56E+01
30	4,78E+00	3,92E+00	2,95E+00	2,03E+00	1,72E+00	2,32E+01
40	6,18E+00	4,92E+00	3,46E+00	2,26E+00	1,73E+00	3,07E+01
45	6,86E+00	5,42E+00	3,71E+00	2,37E+00	1,73E+00	3,44E+01
50	7,55E+00	5,91E+00	3,95E+00	2,48E+00	1,73E+00	3,81E+01
60	8,89E+00	6,87E+00	4,44E+00	2,70E+00	1,74E+00	4,55E+01
70	1,02E+01	7,82E+00	4,91E+00	2,92E+00	1,74E+00	5,28E+01
80	1,15E+01	8,74E+00	5,38E+00	3,13E+00	1,74E+00	6,01E+01
90	1,28E+01	9,65E+00	5,84E+00	3,34E+00	1,75E+00	6,73E+01
100	1,40E+01	1,05E+01	6,29E+00	3,54E+00	1,75E+00	7,45E+01
120	1,64E+01	1,23E+01	7,16E+00	3,93E+00	1,76E+00	8,88E+01
180	2,31E+01	1,71E+01	9,59E+00	5,04E+00	1,78E+00	1,31E+02
200	2,52E+01	1,86E+01	1,04E+01	5,38E+00	1,79E+00	1,44E+02
300	3,46E+01	2,54E+01	1,38E+01	6,93E+00	1,82E+00	2,11E+02
360	3,96E+01	2,90E+01	1,56E+01	7,76E+00	1,84E+00	2,50E+02
365	4,00E+01	2,93E+01	1,57E+01	7,83E+00	1,84E+00	2,53E+02
400	4,27E+01	3,12E+01	1,67E+01	8,28E+00	1,85E+00	2,75E+02
500	4,99E+01	3,64E+01	1,93E+01	9,48E+00	1,88E+00	3,37E+02
600	5,63E+01	4,10E+01	2,17E+01	1,06E+01	1,91E+00	3,97E+02
700	6,22E+01	4,52E+01	2,39E+01	1,15E+01	1,94E+00	4,54E+02
800	6,77E+01	4,92E+01	2,59E+01	1,25E+01	1,97E+00	5,10E+02
900	7,28E+01	5,29E+01	2,78E+01	1,33E+01	2,00E+00	5,65E+02
1000	7,77E+01	5,64E+01	2,96E+01	1,42E+01	2,02E+00	6,17E+02
2000	1,19E+02	8,62E+01	4,48E+01	2,12E+01	2,25E+00	1,07E+03
3000	1,52E+02	1,10E+02	5,71E+01	2,69E+01	2,43E+00	1,43E+03
4000	1,80E+02	1,30E+02	6,73E+01	3,16E+01	2,57E+00	1,72E+03
5000	2,03E+02	1,47E+02	7,57E+01	3,55E+01	2,69E+00	1,95E+03
6000	2,22E+02	1,60E+02	8,27E+01	3,87E+01	2,78E+00	2,13E+03
8000	2,50E+02	1,81E+02	9,32E+01	4,36E+01	2,92E+00	2,41E+03
10000	2,70E+02	1,95E+02	1,00E+02	4,69E+01	3,01E+00	2,60E+03
13500	2,90E+02	2,10E+02	1,08E+02	5,04E+01	3,11E+00	2,80E+03
14600	2,94E+02	2,13E+02	1,09E+02	5,11E+01	3,13E+00	2,84E+03
18250	2,94E+02	2,13E+02	1,09E+02	5,11E+01	3,13E+00	2,84E+03
Eff. Dosis	1,0E-07	7,5E-08	3,9E-08	1,8E-08	6,5E-10	3,3E-07
Gebärmutter	6,46E-09	4,9E-09	3,1E-09	1,8E-09	1,3E-09	2,2E-07

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-152

Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	2,77E-01	4,57E-01	7,17E-01	6,72E-01
2	5,23E-01	7,92E-01	1,19E+00	1,10E+00	5,08E-01	7,83E-01	1,18E+00	1,10E+00
3	7,23E-01	9,99E-01	1,42E+00	1,30E+00	6,96E-01	9,81E-01	1,41E+00	1,29E+00
3,5	8,14E-01	1,08E+00	1,48E+00	1,34E+00	7,80E-01	1,05E+00	1,48E+00	1,34E+00
4	9,02E-01	1,14E+00	1,53E+00	1,38E+00	8,61E-01	1,12E+00	1,52E+00	1,37E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,02E+00	1,23E+00	1,59E+00	1,42E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,17E+00	1,34E+00	1,65E+00	1,45E+00
7	1,39E+00	1,50E+00	1,73E+00	1,47E+00	1,32E+00	1,45E+00	1,71E+00	1,48E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,47E+00	1,55E+00	1,77E+00	1,50E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	1,62E+00	1,66E+00	1,83E+00	1,53E+00
10	1,86E+00	1,83E+00	1,89E+00	1,55E+00	1,76E+00	1,76E+00	1,88E+00	1,56E+00
11	2,01E+00	1,94E+00	1,95E+00	1,58E+00	1,91E+00	1,87E+00	1,94E+00	1,59E+00
12	2,17E+00	2,04E+00	2,00E+00	1,60E+00	2,05E+00	1,97E+00	1,99E+00	1,61E+00
13	2,32E+00	2,15E+00	2,06E+00	1,63E+00	2,20E+00	2,07E+00	2,05E+00	1,64E+00
14	2,46E+00	2,26E+00	2,11E+00	1,65E+00	2,34E+00	2,17E+00	2,10E+00	1,67E+00
15	2,61E+00	2,36E+00	2,17E+00	1,67E+00	2,48E+00	2,28E+00	2,16E+00	1,69E+00
20	3,34E+00	2,89E+00	2,43E+00	1,79E+00	3,19E+00	2,78E+00	2,43E+00	1,82E+00
30	4,77E+00	3,91E+00	2,95E+00	2,03E+00	4,58E+00	3,77E+00	2,96E+00	2,08E+00
40	6,16E+00	4,91E+00	3,45E+00	2,25E+00	5,94E+00	4,75E+00	3,48E+00	2,34E+00
45	6,85E+00	5,41E+00	3,70E+00	2,37E+00	6,62E+00	5,23E+00	3,73E+00	2,46E+00
50	7,53E+00	5,89E+00	3,94E+00	2,48E+00	7,28E+00	5,71E+00	3,99E+00	2,58E+00
60	8,86E+00	6,85E+00	4,42E+00	2,69E+00	8,60E+00	6,65E+00	4,49E+00	2,83E+00
70	1,02E+01	7,79E+00	4,90E+00	2,91E+00	9,90E+00	7,58E+00	4,99E+00	3,07E+00
80	1,14E+01	8,70E+00	5,36E+00	3,12E+00	1,12E+01	8,49E+00	5,48E+00	3,31E+00
90	1,27E+01	9,60E+00	5,81E+00	3,32E+00	1,24E+01	9,39E+00	5,96E+00	3,55E+00
100	1,39E+01	1,05E+01	6,25E+00	3,52E+00	1,37E+01	1,03E+01	6,44E+00	3,78E+00
120	1,63E+01	1,22E+01	7,11E+00	3,91E+00	1,61E+01	1,20E+01	7,37E+00	4,24E+00
180	2,29E+01	1,69E+01	9,49E+00	4,99E+00	2,31E+01	1,70E+01	1,01E+01	5,55E+00
200	2,49E+01	1,84E+01	1,02E+01	5,32E+00	2,53E+01	1,86E+01	1,09E+01	5,97E+00
300	3,41E+01	2,50E+01	1,36E+01	6,84E+00	3,58E+01	2,61E+01	1,49E+01	7,96E+00
360	3,90E+01	2,86E+01	1,54E+01	7,65E+00	4,17E+01	3,03E+01	1,72E+01	9,08E+00
365	3,94E+01	2,88E+01	1,55E+01	7,72E+00	4,22E+01	3,06E+01	1,74E+01	9,17E+00
400	4,21E+01	3,08E+01	1,65E+01	8,16E+00	4,54E+01	3,30E+01	1,87E+01	9,80E+00
500	4,92E+01	3,59E+01	1,91E+01	9,34E+00	5,45E+01	3,94E+01	2,22E+01	1,15E+01
600	5,57E+01	4,05E+01	2,14E+01	1,04E+01	6,30E+01	4,55E+01	2,55E+01	1,32E+01
700	6,16E+01	4,48E+01	2,36E+01	1,14E+01	7,11E+01	5,13E+01	2,86E+01	1,48E+01
800	6,72E+01	4,88E+01	2,56E+01	1,23E+01	7,89E+01	5,68E+01	3,17E+01	1,63E+01
900	7,24E+01	5,26E+01	2,75E+01	1,32E+01	8,64E+01	6,22E+01	3,46E+01	1,77E+01
1000	7,74E+01	5,62E+01	2,94E+01	1,40E+01	9,36E+01	6,73E+01	3,74E+01	1,91E+01
2000	1,18E+02	8,54E+01	4,42E+01	2,08E+01	1,55E+02	1,11E+02	6,13E+01	3,11E+01
3000	1,48E+02	1,07E+02	5,52E+01	2,58E+01	2,02E+02	1,45E+02	7,98E+01	4,03E+01
4000	1,71E+02	1,24E+02	6,37E+01	2,97E+01	2,40E+02	1,72E+02	9,45E+01	4,76E+01
5000	1,90E+02	1,37E+02	7,05E+01	3,28E+01	2,70E+02	1,93E+02	1,06E+02	5,36E+01
6000	2,05E+02	1,48E+02	7,59E+01	3,53E+01	2,95E+02	2,11E+02	1,16E+02	5,84E+01
8000	2,27E+02	1,64E+02	8,40E+01	3,90E+01	3,32E+02	2,37E+02	1,30E+02	6,56E+01
10000	2,42E+02	1,75E+02	8,94E+01	4,15E+01	3,57E+02	2,55E+02	1,40E+02	7,04E+01
13500	2,57E+02	1,86E+02	9,51E+01	4,40E+01	3,83E+02	2,74E+02	1,50E+02	7,55E+01
14600	2,60E+02	1,88E+02	9,62E+01	4,46E+01	3,88E+02	2,77E+02	1,52E+02	7,66E+01
18250	2,60E+02	1,88E+02	9,62E+01	4,46E+01	3,88E+02	2,77E+02	1,52E+02	7,66E+01
Eff. Dosis	4,9E-08	3,6E-08	1,9E-08	8,9E-09	5,2E-08	3,7E-08	2,1E-08	1,0E-08
Gebärmutter	1,6E-08	1,1E-08	6,3E-09	3,3E-09	2,8E-08	2,1E-08	1,2E-08	6,2E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-154

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,73E-01	4,54E-01	7,15E-01	6,71E-01	2,79E-01	4,59E-01	7,18E-01	6,73E-01
2	4,92E-01	7,71E-01	1,18E+00	1,10E+00	5,16E-01	7,88E-01	1,19E+00	1,10E+00
3	6,65E-01	9,60E-01	1,40E+00	1,29E+00	7,11E-01	9,91E-01	1,42E+00	1,30E+00
3,5	7,42E-01	1,03E+00	1,46E+00	1,34E+00	7,99E-01	1,07E+00	1,48E+00	1,34E+00
4	8,15E-01	1,09E+00	1,51E+00	1,37E+00	8,84E-01	1,13E+00	1,53E+00	1,38E+00
5	9,57E-01	1,19E+00	1,58E+00	1,41E+00	1,05E+00	1,25E+00	1,60E+00	1,42E+00
6	1,10E+00	1,29E+00	1,64E+00	1,45E+00	1,21E+00	1,36E+00	1,66E+00	1,45E+00
7	1,24E+00	1,39E+00	1,69E+00	1,47E+00	1,36E+00	1,47E+00	1,72E+00	1,47E+00
8	1,37E+00	1,49E+00	1,75E+00	1,50E+00	1,51E+00	1,58E+00	1,77E+00	1,50E+00
9	1,51E+00	1,59E+00	1,81E+00	1,53E+00	1,66E+00	1,69E+00	1,83E+00	1,53E+00
10	1,65E+00	1,68E+00	1,86E+00	1,56E+00	1,81E+00	1,80E+00	1,89E+00	1,55E+00
11	1,78E+00	1,78E+00	1,92E+00	1,59E+00	1,96E+00	1,90E+00	1,94E+00	1,58E+00
12	1,92E+00	1,88E+00	1,97E+00	1,62E+00	2,11E+00	2,01E+00	2,00E+00	1,60E+00
13	2,06E+00	1,97E+00	2,03E+00	1,65E+00	2,26E+00	2,11E+00	2,05E+00	1,63E+00
14	2,19E+00	2,07E+00	2,08E+00	1,68E+00	2,40E+00	2,21E+00	2,10E+00	1,65E+00
15	2,33E+00	2,17E+00	2,13E+00	1,70E+00	2,55E+00	2,32E+00	2,16E+00	1,68E+00
20	3,00E+00	2,65E+00	2,41E+00	1,85E+00	3,26E+00	2,83E+00	2,42E+00	1,80E+00
30	4,34E+00	3,59E+00	2,94E+00	2,13E+00	4,65E+00	3,82E+00	2,93E+00	2,04E+00
40	5,66E+00	4,53E+00	3,48E+00	2,40E+00	6,00E+00	4,79E+00	3,43E+00	2,27E+00
45	6,31E+00	5,00E+00	3,74E+00	2,54E+00	6,66E+00	5,26E+00	3,68E+00	2,39E+00
50	6,97E+00	5,46E+00	4,00E+00	2,68E+00	7,31E+00	5,73E+00	3,92E+00	2,50E+00
60	8,26E+00	6,38E+00	4,53E+00	2,95E+00	8,59E+00	6,65E+00	4,39E+00	2,72E+00
70	9,55E+00	7,30E+00	5,05E+00	3,22E+00	9,85E+00	7,55E+00	4,86E+00	2,94E+00
80	1,08E+01	8,20E+00	5,56E+00	3,49E+00	1,11E+01	8,43E+00	5,31E+00	3,15E+00
90	1,21E+01	9,11E+00	6,07E+00	3,75E+00	1,23E+01	9,29E+00	5,76E+00	3,36E+00
100	1,34E+01	1,00E+01	6,58E+00	4,02E+00	1,35E+01	1,01E+01	6,19E+00	3,56E+00
120	1,59E+01	1,18E+01	7,58E+00	4,54E+00	1,57E+01	1,18E+01	7,04E+00	3,96E+00
180	2,32E+01	1,70E+01	1,05E+01	6,07E+00	2,21E+01	1,63E+01	9,41E+00	5,08E+00
200	2,55E+01	1,87E+01	1,15E+01	6,57E+00	2,41E+01	1,78E+01	1,02E+01	5,43E+00
300	3,71E+01	2,69E+01	1,61E+01	8,99E+00	3,35E+01	2,45E+01	1,36E+01	7,06E+00
360	4,38E+01	3,16E+01	1,88E+01	1,04E+01	3,86E+01	2,82E+01	1,56E+01	7,98E+00
365	4,43E+01	3,20E+01	1,91E+01	1,05E+01	3,91E+01	2,85E+01	1,57E+01	8,05E+00
400	4,81E+01	3,47E+01	2,06E+01	1,13E+01	4,19E+01	3,05E+01	1,68E+01	8,56E+00
500	5,86E+01	4,21E+01	2,48E+01	1,35E+01	4,99E+01	3,62E+01	1,98E+01	9,96E+00
600	6,87E+01	4,93E+01	2,89E+01	1,56E+01	5,74E+01	4,16E+01	2,26E+01	1,13E+01
700	7,84E+01	5,62E+01	3,28E+01	1,76E+01	6,45E+01	4,67E+01	2,52E+01	1,25E+01
800	8,77E+01	6,28E+01	3,65E+01	1,96E+01	7,13E+01	5,16E+01	2,78E+01	1,38E+01
900	9,66E+01	6,91E+01	4,01E+01	2,15E+01	7,78E+01	5,62E+01	3,02E+01	1,49E+01
1000	1,05E+02	7,52E+01	4,36E+01	2,33E+01	8,41E+01	6,07E+01	3,26E+01	1,60E+01
2000	1,77E+02	1,26E+02	7,24E+01	3,82E+01	1,36E+02	9,78E+01	5,19E+01	2,52E+01
3000	2,28E+02	1,63E+02	9,31E+01	4,90E+01	1,73E+02	1,24E+02	6,58E+01	3,18E+01
4000	2,66E+02	1,90E+02	1,08E+02	5,70E+01	2,00E+02	1,44E+02	7,61E+01	3,66E+01
5000	2,95E+02	2,10E+02	1,20E+02	6,30E+01	2,21E+02	1,59E+02	8,37E+01	4,02E+01
6000	3,16E+02	2,25E+02	1,28E+02	6,74E+01	2,36E+02	1,70E+02	8,94E+01	4,29E+01
8000	3,44E+02	2,45E+02	1,40E+02	7,33E+01	2,56E+02	1,84E+02	9,70E+01	4,65E+01
10000	3,60E+02	2,56E+02	1,46E+02	7,67E+01	2,68E+02	1,92E+02	1,01E+02	4,86E+01
13500	3,74E+02	2,66E+02	1,52E+02	7,96E+01	2,78E+02	2,00E+02	1,05E+02	5,04E+01
14600	3,76E+02	2,68E+02	1,53E+02	8,01E+01	2,80E+02	2,01E+02	1,06E+02	5,06E+01
18250	3,76E+02	2,68E+02	1,53E+02	8,01E+01	2,80E+02	2,01E+02	1,06E+02	5,06E+01
Eff. Dosis	5,6E-08	4,0E-08	2,3E-08	1,2E-08	4,9E-08	3,5E-08	1,9E-08	9,3E-09
Gebärmutter	3,1E-08	2,3E-08	1,3E-08	7,3E-09	2,2E-08	1,6E-08	8,9E-09	4,6E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-154

Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,41E-01	8,58E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,48E+00	1,67E+00
3	7,23E-01	9,98E-01	1,42E+00	1,30E+00	1,66E+00	2,46E+00
3,5	8,14E-01	1,08E+00	1,48E+00	1,34E+00	1,69E+00	2,86E+00
4	9,01E-01	1,14E+00	1,53E+00	1,38E+00	1,70E+00	3,25E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,71E+00	4,03E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,72E+00	4,81E+00
7	1,39E+00	1,50E+00	1,72E+00	1,47E+00	1,72E+00	5,59E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,72E+00	6,37E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	1,72E+00	7,14E+00
10	1,86E+00	1,83E+00	1,89E+00	1,55E+00	1,72E+00	7,92E+00
11	2,01E+00	1,94E+00	1,95E+00	1,58E+00	1,72E+00	8,69E+00
12	2,16E+00	2,04E+00	2,00E+00	1,60E+00	1,72E+00	9,46E+00
13	2,31E+00	2,15E+00	2,06E+00	1,63E+00	1,72E+00	1,02E+01
14	2,46E+00	2,26E+00	2,11E+00	1,65E+00	1,72E+00	1,10E+01
15	2,61E+00	2,36E+00	2,17E+00	1,68E+00	1,72E+00	1,18E+01
20	3,34E+00	2,89E+00	2,43E+00	1,79E+00	1,72E+00	1,56E+01
30	4,77E+00	3,91E+00	2,95E+00	2,03E+00	1,72E+00	2,31E+01
40	6,17E+00	4,92E+00	3,45E+00	2,26E+00	1,73E+00	3,06E+01
45	6,85E+00	5,41E+00	3,70E+00	2,37E+00	1,73E+00	3,43E+01
50	7,53E+00	5,90E+00	3,95E+00	2,48E+00	1,73E+00	3,80E+01
60	8,87E+00	6,86E+00	4,43E+00	2,70E+00	1,74E+00	4,54E+01
70	1,02E+01	7,80E+00	4,90E+00	2,91E+00	1,74E+00	5,27E+01
80	1,15E+01	8,72E+00	5,37E+00	3,12E+00	1,74E+00	5,99E+01
90	1,27E+01	9,62E+00	5,82E+00	3,33E+00	1,75E+00	6,71E+01
100	1,39E+01	1,05E+01	6,27E+00	3,53E+00	1,75E+00	7,42E+01
120	1,63E+01	1,22E+01	7,13E+00	3,92E+00	1,76E+00	8,83E+01
180	2,29E+01	1,70E+01	9,54E+00	5,01E+00	1,78E+00	1,30E+02
200	2,50E+01	1,85E+01	1,03E+01	5,35E+00	1,78E+00	1,43E+02
300	3,42E+01	2,51E+01	1,36E+01	6,87E+00	1,82E+00	2,09E+02
360	3,91E+01	2,86E+01	1,54E+01	7,68E+00	1,84E+00	2,46E+02
365	3,95E+01	2,89E+01	1,56E+01	7,75E+00	1,84E+00	2,49E+02
400	4,21E+01	3,08E+01	1,65E+01	8,18E+00	1,85E+00	2,71E+02
500	4,90E+01	3,57E+01	1,90E+01	9,33E+00	1,88E+00	3,31E+02
600	5,52E+01	4,02E+01	2,13E+01	1,04E+01	1,91E+00	3,88E+02
700	6,08E+01	4,42E+01	2,33E+01	1,13E+01	1,93E+00	4,42E+02
800	6,59E+01	4,79E+01	2,52E+01	1,22E+01	1,96E+00	4,95E+02
900	7,07E+01	5,14E+01	2,70E+01	1,30E+01	1,99E+00	5,46E+02
1000	7,53E+01	5,46E+01	2,87E+01	1,38E+01	2,01E+00	5,95E+02
2000	1,12E+02	8,11E+01	4,22E+01	2,00E+01	2,21E+00	9,99E+02
3000	1,39E+02	1,01E+02	5,22E+01	2,46E+01	2,36E+00	1,29E+03
4000	1,60E+02	1,16E+02	5,99E+01	2,82E+01	2,47E+00	1,51E+03
5000	1,76E+02	1,27E+02	6,58E+01	3,09E+01	2,55E+00	1,67E+03
6000	1,88E+02	1,36E+02	7,03E+01	3,30E+01	2,61E+00	1,79E+03
8000	2,05E+02	1,48E+02	7,63E+01	3,58E+01	2,69E+00	1,95E+03
10000	2,14E+02	1,55E+02	7,98E+01	3,74E+01	2,73E+00	2,04E+03
13500	2,22E+02	1,61E+02	8,28E+01	3,87E+01	2,77E+00	2,12E+03
14600	2,23E+02	1,61E+02	8,32E+01	3,90E+01	2,78E+00	2,13E+03
18250	2,23E+02	1,61E+02	8,32E+01	3,90E+01	2,78E+00	2,13E+03
Eff. Dosis	1,1E-07	8,2E-08	4,3E-08	2,1E-08	7,1E-10	3,1E-07
Gebärmutter	4,57E-09	3,6E-09	2,4E-09	1,5E-09	1,3E-09	1,8E-07

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-154

Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	2,77E-01	4,57E-01	7,17E-01	6,72E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	5,08E-01	7,82E-01	1,18E+00	1,10E+00
3	7,23E-01	9,99E-01	1,42E+00	1,30E+00	6,96E-01	9,81E-01	1,41E+00	1,29E+00
3,5	8,14E-01	1,08E+00	1,48E+00	1,34E+00	7,80E-01	1,05E+00	1,47E+00	1,34E+00
4	9,02E-01	1,14E+00	1,53E+00	1,38E+00	8,61E-01	1,12E+00	1,52E+00	1,37E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,02E+00	1,23E+00	1,59E+00	1,42E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,17E+00	1,34E+00	1,65E+00	1,45E+00
7	1,39E+00	1,50E+00	1,73E+00	1,47E+00	1,32E+00	1,45E+00	1,71E+00	1,48E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,47E+00	1,55E+00	1,77E+00	1,50E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	1,62E+00	1,66E+00	1,83E+00	1,53E+00
10	1,86E+00	1,83E+00	1,89E+00	1,55E+00	1,76E+00	1,76E+00	1,88E+00	1,56E+00
11	2,01E+00	1,94E+00	1,95E+00	1,58E+00	1,91E+00	1,87E+00	1,94E+00	1,59E+00
12	2,16E+00	2,04E+00	2,00E+00	1,60E+00	2,05E+00	1,97E+00	1,99E+00	1,61E+00
13	2,31E+00	2,15E+00	2,06E+00	1,63E+00	2,20E+00	2,07E+00	2,05E+00	1,64E+00
14	2,46E+00	2,26E+00	2,11E+00	1,65E+00	2,34E+00	2,17E+00	2,10E+00	1,67E+00
15	2,61E+00	2,36E+00	2,17E+00	1,67E+00	2,48E+00	2,27E+00	2,16E+00	1,69E+00
20	3,34E+00	2,89E+00	2,43E+00	1,79E+00	3,19E+00	2,78E+00	2,42E+00	1,82E+00
30	4,77E+00	3,91E+00	2,94E+00	2,03E+00	4,58E+00	3,77E+00	2,95E+00	2,08E+00
40	6,15E+00	4,91E+00	3,45E+00	2,25E+00	5,94E+00	4,74E+00	3,47E+00	2,33E+00
45	6,84E+00	5,40E+00	3,69E+00	2,36E+00	6,61E+00	5,22E+00	3,73E+00	2,46E+00
50	7,51E+00	5,88E+00	3,94E+00	2,47E+00	7,27E+00	5,70E+00	3,98E+00	2,58E+00
60	8,84E+00	6,83E+00	4,42E+00	2,69E+00	8,58E+00	6,63E+00	4,49E+00	2,83E+00
70	1,01E+01	7,77E+00	4,89E+00	2,90E+00	9,88E+00	7,56E+00	4,98E+00	3,07E+00
80	1,14E+01	8,68E+00	5,34E+00	3,11E+00	1,12E+01	8,47E+00	5,47E+00	3,31E+00
90	1,26E+01	9,57E+00	5,79E+00	3,31E+00	1,24E+01	9,36E+00	5,95E+00	3,54E+00
100	1,39E+01	1,04E+01	6,23E+00	3,51E+00	1,36E+01	1,02E+01	6,42E+00	3,77E+00
120	1,62E+01	1,21E+01	7,08E+00	3,90E+00	1,61E+01	1,20E+01	7,35E+00	4,22E+00
180	2,27E+01	1,68E+01	9,44E+00	4,96E+00	2,29E+01	1,69E+01	9,99E+00	5,52E+00
200	2,47E+01	1,82E+01	1,02E+01	5,29E+00	2,51E+01	1,85E+01	1,08E+01	5,93E+00
300	3,38E+01	2,48E+01	1,35E+01	6,78E+00	3,54E+01	2,58E+01	1,48E+01	7,88E+00
360	3,85E+01	2,82E+01	1,52E+01	7,57E+00	4,11E+01	2,99E+01	1,70E+01	8,98E+00
365	3,89E+01	2,85E+01	1,53E+01	7,63E+00	4,16E+01	3,02E+01	1,72E+01	9,06E+00
400	4,15E+01	3,03E+01	1,63E+01	8,06E+00	4,48E+01	3,25E+01	1,84E+01	9,68E+00
500	4,84E+01	3,53E+01	1,88E+01	9,20E+00	5,35E+01	3,87E+01	2,18E+01	1,14E+01
600	5,45E+01	3,97E+01	2,10E+01	1,02E+01	6,16E+01	4,45E+01	2,50E+01	1,29E+01
700	6,02E+01	4,38E+01	2,31E+01	1,12E+01	6,93E+01	5,00E+01	2,80E+01	1,44E+01
800	6,54E+01	4,75E+01	2,50E+01	1,20E+01	7,67E+01	5,52E+01	3,08E+01	1,58E+01
900	7,03E+01	5,11E+01	2,68E+01	1,29E+01	8,37E+01	6,02E+01	3,35E+01	1,72E+01
1000	7,49E+01	5,44E+01	2,85E+01	1,36E+01	9,03E+01	6,50E+01	3,61E+01	1,85E+01
2000	1,11E+02	8,04E+01	4,16E+01	1,96E+01	1,45E+02	1,04E+02	5,74E+01	2,91E+01
3000	1,36E+02	9,81E+01	5,06E+01	2,38E+01	1,84E+02	1,32E+02	7,25E+01	3,67E+01
4000	1,53E+02	1,11E+02	5,71E+01	2,67E+01	2,12E+02	1,52E+02	8,36E+01	4,22E+01
5000	1,66E+02	1,20E+02	6,18E+01	2,88E+01	2,33E+02	1,67E+02	9,18E+01	4,63E+01
6000	1,76E+02	1,27E+02	6,53E+01	3,04E+01	2,49E+02	1,78E+02	9,80E+01	4,94E+01
8000	1,88E+02	1,36E+02	6,99E+01	3,25E+01	2,70E+02	1,93E+02	1,06E+02	5,35E+01
10000	1,96E+02	1,41E+02	7,25E+01	3,37E+01	2,82E+02	2,02E+02	1,11E+02	5,59E+01
13500	2,02E+02	1,46E+02	7,48E+01	3,48E+01	2,93E+02	2,09E+02	1,15E+02	5,79E+01
14600	2,03E+02	1,46E+02	7,51E+01	3,49E+01	2,94E+02	2,10E+02	1,16E+02	5,82E+01
18250	2,03E+02	1,46E+02	7,51E+01	3,49E+01	2,94E+02	2,10E+02	1,16E+02	5,82E+01
Eff. Dosis	5,8E-08	4,2E-08	2,2E-08	1,1E-08	5,5E-08	3,9E-08	2,2E-08	1,1E-08
Gebärmutter	1,2E-08	8,9E-09	5,1E-09	2,7E-09	2,3E-08	1,6E-08	9,5E-09	5,1E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-155

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,73E-01	4,54E-01	7,15E-01	6,71E-01	2,79E-01	4,59E-01	7,18E-01	6,73E-01
2	4,92E-01	7,71E-01	1,18E+00	1,10E+00	5,16E-01	7,88E-01	1,19E+00	1,10E+00
3	6,65E-01	9,60E-01	1,40E+00	1,29E+00	7,11E-01	9,91E-01	1,41E+00	1,30E+00
3,5	7,42E-01	1,03E+00	1,46E+00	1,34E+00	7,99E-01	1,07E+00	1,48E+00	1,34E+00
4	8,15E-01	1,09E+00	1,51E+00	1,37E+00	8,83E-01	1,13E+00	1,53E+00	1,37E+00
5	9,57E-01	1,19E+00	1,58E+00	1,41E+00	1,05E+00	1,25E+00	1,60E+00	1,42E+00
6	1,10E+00	1,29E+00	1,64E+00	1,45E+00	1,20E+00	1,36E+00	1,66E+00	1,45E+00
7	1,23E+00	1,39E+00	1,69E+00	1,47E+00	1,36E+00	1,47E+00	1,72E+00	1,47E+00
8	1,37E+00	1,49E+00	1,75E+00	1,50E+00	1,51E+00	1,58E+00	1,77E+00	1,50E+00
9	1,51E+00	1,59E+00	1,80E+00	1,53E+00	1,66E+00	1,69E+00	1,83E+00	1,53E+00
10	1,65E+00	1,68E+00	1,86E+00	1,56E+00	1,81E+00	1,79E+00	1,89E+00	1,55E+00
11	1,78E+00	1,78E+00	1,91E+00	1,59E+00	1,96E+00	1,90E+00	1,94E+00	1,58E+00
12	1,92E+00	1,88E+00	1,97E+00	1,62E+00	2,11E+00	2,00E+00	1,99E+00	1,60E+00
13	2,05E+00	1,97E+00	2,02E+00	1,65E+00	2,25E+00	2,11E+00	2,05E+00	1,63E+00
14	2,19E+00	2,07E+00	2,08E+00	1,67E+00	2,40E+00	2,21E+00	2,10E+00	1,65E+00
15	2,32E+00	2,17E+00	2,13E+00	1,70E+00	2,54E+00	2,32E+00	2,15E+00	1,68E+00
20	3,00E+00	2,64E+00	2,40E+00	1,84E+00	3,25E+00	2,82E+00	2,42E+00	1,80E+00
30	4,33E+00	3,59E+00	2,94E+00	2,12E+00	4,63E+00	3,81E+00	2,93E+00	2,04E+00
40	5,64E+00	4,52E+00	3,47E+00	2,40E+00	5,98E+00	4,77E+00	3,42E+00	2,27E+00
45	6,29E+00	4,98E+00	3,73E+00	2,53E+00	6,63E+00	5,24E+00	3,67E+00	2,38E+00
50	6,94E+00	5,44E+00	3,99E+00	2,67E+00	7,28E+00	5,71E+00	3,91E+00	2,50E+00
60	8,22E+00	6,35E+00	4,51E+00	2,94E+00	8,55E+00	6,62E+00	4,38E+00	2,72E+00
70	9,49E+00	7,26E+00	5,02E+00	3,21E+00	9,79E+00	7,51E+00	4,84E+00	2,93E+00
80	1,08E+01	8,15E+00	5,53E+00	3,47E+00	1,10E+01	8,37E+00	5,28E+00	3,14E+00
90	1,20E+01	9,04E+00	6,03E+00	3,73E+00	1,22E+01	9,22E+00	5,72E+00	3,34E+00
100	1,32E+01	9,92E+00	6,53E+00	3,99E+00	1,33E+01	1,01E+01	6,15E+00	3,54E+00
120	1,57E+01	1,17E+01	7,52E+00	4,50E+00	1,56E+01	1,17E+01	6,98E+00	3,93E+00
180	2,28E+01	1,67E+01	1,04E+01	6,00E+00	2,18E+01	1,61E+01	9,29E+00	5,02E+00
200	2,51E+01	1,83E+01	1,13E+01	6,48E+00	2,37E+01	1,75E+01	1,00E+01	5,36E+00
300	3,62E+01	2,62E+01	1,58E+01	8,79E+00	3,27E+01	2,39E+01	1,33E+01	6,92E+00
360	4,24E+01	3,07E+01	1,83E+01	1,01E+01	3,75E+01	2,74E+01	1,52E+01	7,78E+00
365	4,29E+01	3,10E+01	1,85E+01	1,02E+01	3,79E+01	2,77E+01	1,53E+01	7,85E+00
400	4,65E+01	3,35E+01	1,99E+01	1,10E+01	4,06E+01	2,96E+01	1,63E+01	8,33E+00
500	5,62E+01	4,04E+01	2,38E+01	1,30E+01	4,80E+01	3,48E+01	1,91E+01	9,62E+00
600	6,53E+01	4,69E+01	2,75E+01	1,49E+01	5,47E+01	3,97E+01	2,16E+01	1,08E+01
700	7,40E+01	5,30E+01	3,10E+01	1,67E+01	6,11E+01	4,43E+01	2,40E+01	1,19E+01
800	8,21E+01	5,88E+01	3,43E+01	1,84E+01	6,71E+01	4,85E+01	2,62E+01	1,30E+01
900	8,98E+01	6,43E+01	3,74E+01	2,00E+01	7,27E+01	5,25E+01	2,83E+01	1,40E+01
1000	9,71E+01	6,94E+01	4,03E+01	2,16E+01	7,80E+01	5,63E+01	3,03E+01	1,49E+01
2000	1,52E+02	1,09E+02	6,25E+01	3,31E+01	1,18E+02	8,49E+01	4,52E+01	2,20E+01
3000	1,85E+02	1,32E+02	7,59E+01	4,01E+01	1,42E+02	1,02E+02	5,42E+01	2,62E+01
4000	2,06E+02	1,47E+02	8,41E+01	4,43E+01	1,57E+02	1,13E+02	5,97E+01	2,89E+01
5000	2,19E+02	1,56E+02	8,93E+01	4,70E+01	1,66E+02	1,19E+02	6,31E+01	3,05E+01
6000	2,27E+02	1,61E+02	9,25E+01	4,87E+01	1,72E+02	1,23E+02	6,53E+01	3,15E+01
8000	2,35E+02	1,67E+02	9,58E+01	5,04E+01	1,78E+02	1,28E+02	6,75E+01	3,26E+01
10000	2,38E+02	1,70E+02	9,72E+01	5,12E+01	1,80E+02	1,29E+02	6,84E+01	3,30E+01
13500	2,40E+02	1,71E+02	9,79E+01	5,15E+01	1,81E+02	1,30E+02	6,89E+01	3,32E+01
14600	2,40E+02	1,71E+02	9,80E+01	5,16E+01	1,81E+02	1,30E+02	6,89E+01	3,32E+01
18250	2,40E+02	1,71E+02	9,80E+01	5,16E+01	1,81E+02	1,30E+02	6,89E+01	3,32E+01
Eff. Dosis	4,3E-09	3,1E-09	1,8E-09	9,9E-10	4,6E-09	3,3E-09	1,8E-09	9,4E-10
Gebärmutter	1,4E-09	1,0E-09	6,2E-10	3,5E-10	9,8E-10	7,2E-10	4,1E-10	2,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-155

Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,41E-01	8,58E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,48E+00	1,67E+00
3	7,22E-01	9,98E-01	1,42E+00	1,30E+00	1,66E+00	2,46E+00
3,5	8,13E-01	1,08E+00	1,48E+00	1,34E+00	1,69E+00	2,86E+00
4	9,01E-01	1,14E+00	1,53E+00	1,38E+00	1,70E+00	3,25E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,71E+00	4,03E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,71E+00	4,81E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,72E+00	5,59E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,72E+00	6,37E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	1,72E+00	7,14E+00
10	1,86E+00	1,83E+00	1,89E+00	1,55E+00	1,72E+00	7,91E+00
11	2,01E+00	1,93E+00	1,95E+00	1,58E+00	1,72E+00	8,68E+00
12	2,16E+00	2,04E+00	2,00E+00	1,60E+00	1,72E+00	9,45E+00
13	2,31E+00	2,15E+00	2,06E+00	1,63E+00	1,72E+00	1,02E+01
14	2,46E+00	2,25E+00	2,11E+00	1,65E+00	1,72E+00	1,10E+01
15	2,61E+00	2,36E+00	2,16E+00	1,67E+00	1,72E+00	1,18E+01
20	3,34E+00	2,88E+00	2,43E+00	1,79E+00	1,72E+00	1,56E+01
30	4,76E+00	3,91E+00	2,94E+00	2,03E+00	1,72E+00	2,31E+01
40	6,15E+00	4,90E+00	3,44E+00	2,25E+00	1,73E+00	3,05E+01
45	6,83E+00	5,39E+00	3,69E+00	2,36E+00	1,73E+00	3,42E+01
50	7,50E+00	5,87E+00	3,94E+00	2,47E+00	1,73E+00	3,79E+01
60	8,82E+00	6,83E+00	4,41E+00	2,69E+00	1,74E+00	4,51E+01
70	1,01E+01	7,76E+00	4,88E+00	2,90E+00	1,74E+00	5,23E+01
80	1,14E+01	8,66E+00	5,34E+00	3,11E+00	1,74E+00	5,95E+01
90	1,26E+01	9,55E+00	5,79E+00	3,31E+00	1,75E+00	6,66E+01
100	1,38E+01	1,04E+01	6,23E+00	3,51E+00	1,75E+00	7,36E+01
120	1,62E+01	1,21E+01	7,07E+00	3,89E+00	1,76E+00	8,74E+01
180	2,26E+01	1,67E+01	9,41E+00	4,95E+00	1,78E+00	1,28E+02
200	2,46E+01	1,82E+01	1,01E+01	5,28E+00	1,78E+00	1,41E+02
300	3,34E+01	2,45E+01	1,33E+01	6,74E+00	1,81E+00	2,03E+02
360	3,80E+01	2,78E+01	1,50E+01	7,50E+00	1,83E+00	2,39E+02
365	3,84E+01	2,81E+01	1,52E+01	7,56E+00	1,83E+00	2,42E+02
400	4,08E+01	2,99E+01	1,61E+01	7,97E+00	1,84E+00	2,62E+02
500	4,72E+01	3,44E+01	1,84E+01	9,03E+00	1,87E+00	3,17E+02
600	5,28E+01	3,85E+01	2,04E+01	9,97E+00	1,90E+00	3,69E+02
700	5,78E+01	4,20E+01	2,22E+01	1,08E+01	1,92E+00	4,17E+02
800	6,23E+01	4,53E+01	2,39E+01	1,16E+01	1,94E+00	4,64E+02
900	6,64E+01	4,83E+01	2,54E+01	1,23E+01	1,97E+00	5,07E+02
1000	7,02E+01	5,10E+01	2,68E+01	1,29E+01	1,99E+00	5,48E+02
2000	9,85E+01	7,14E+01	3,72E+01	1,77E+01	2,14E+00	8,60E+02
3000	1,16E+02	8,41E+01	4,37E+01	2,07E+01	2,24E+00	1,05E+03
4000	1,27E+02	9,22E+01	4,79E+01	2,26E+01	2,29E+00	1,16E+03
5000	1,35E+02	9,74E+01	5,05E+01	2,39E+01	2,33E+00	1,24E+03
6000	1,39E+02	1,01E+02	5,22E+01	2,46E+01	2,35E+00	1,28E+03
8000	1,44E+02	1,04E+02	5,40E+01	2,54E+01	2,38E+00	1,33E+03
10000	1,46E+02	1,06E+02	5,47E+01	2,58E+01	2,39E+00	1,35E+03
13500	1,47E+02	1,06E+02	5,51E+01	2,60E+01	2,39E+00	1,36E+03
14600	1,47E+02	1,06E+02	5,51E+01	2,60E+01	2,39E+00	1,36E+03
18250	1,47E+02	1,06E+02	5,51E+01	2,60E+01	2,39E+00	1,36E+03
Eff. Dosis	9,6E-09	7,1E-09	4,1E-09	2,2E-09	4,4E-11	2,4E-08
Gebärmutter	1,39E-10	1,2E-10	1,0E-10	7,3E-11	8,8E-11	8,0E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Eu-155

Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	2,77E-01	4,57E-01	7,17E-01	6,72E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	5,08E-01	7,82E-01	1,18E+00	1,10E+00
3	7,23E-01	9,98E-01	1,42E+00	1,30E+00	6,96E-01	9,81E-01	1,41E+00	1,29E+00
3,5	8,14E-01	1,08E+00	1,48E+00	1,34E+00	7,80E-01	1,05E+00	1,47E+00	1,34E+00
4	9,01E-01	1,14E+00	1,53E+00	1,38E+00	8,61E-01	1,12E+00	1,52E+00	1,37E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,02E+00	1,23E+00	1,59E+00	1,42E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,17E+00	1,34E+00	1,65E+00	1,45E+00
7	1,39E+00	1,50E+00	1,72E+00	1,47E+00	1,32E+00	1,45E+00	1,71E+00	1,48E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,47E+00	1,55E+00	1,77E+00	1,50E+00
9	1,71E+00	1,72E+00	1,84E+00	1,53E+00	1,62E+00	1,66E+00	1,82E+00	1,53E+00
10	1,86E+00	1,83E+00	1,89E+00	1,55E+00	1,76E+00	1,76E+00	1,88E+00	1,56E+00
11	2,01E+00	1,93E+00	1,95E+00	1,58E+00	1,91E+00	1,86E+00	1,94E+00	1,58E+00
12	2,16E+00	2,04E+00	2,00E+00	1,60E+00	2,05E+00	1,97E+00	1,99E+00	1,61E+00
13	2,31E+00	2,15E+00	2,06E+00	1,63E+00	2,19E+00	2,07E+00	2,05E+00	1,64E+00
14	2,46E+00	2,26E+00	2,11E+00	1,65E+00	2,34E+00	2,17E+00	2,10E+00	1,66E+00
15	2,61E+00	2,36E+00	2,16E+00	1,67E+00	2,48E+00	2,27E+00	2,15E+00	1,69E+00
20	3,34E+00	2,88E+00	2,43E+00	1,79E+00	3,18E+00	2,78E+00	2,42E+00	1,82E+00
30	4,75E+00	3,90E+00	2,94E+00	2,02E+00	4,56E+00	3,76E+00	2,95E+00	2,08E+00
40	6,13E+00	4,89E+00	3,44E+00	2,25E+00	5,92E+00	4,73E+00	3,47E+00	2,33E+00
45	6,81E+00	5,38E+00	3,68E+00	2,36E+00	6,58E+00	5,20E+00	3,72E+00	2,45E+00
50	7,48E+00	5,86E+00	3,93E+00	2,47E+00	7,24E+00	5,67E+00	3,97E+00	2,58E+00
60	8,79E+00	6,80E+00	4,40E+00	2,68E+00	8,54E+00	6,60E+00	4,47E+00	2,82E+00
70	1,01E+01	7,72E+00	4,86E+00	2,89E+00	9,82E+00	7,52E+00	4,96E+00	3,06E+00
80	1,13E+01	8,62E+00	5,32E+00	3,10E+00	1,11E+01	8,41E+00	5,44E+00	3,29E+00
90	1,25E+01	9,50E+00	5,76E+00	3,30E+00	1,23E+01	9,29E+00	5,91E+00	3,52E+00
100	1,37E+01	1,04E+01	6,19E+00	3,49E+00	1,35E+01	1,02E+01	6,38E+00	3,75E+00
120	1,60E+01	1,20E+01	7,02E+00	3,87E+00	1,59E+01	1,19E+01	7,28E+00	4,19E+00
180	2,24E+01	1,66E+01	9,32E+00	4,91E+00	2,26E+01	1,66E+01	9,86E+00	5,46E+00
200	2,43E+01	1,80E+01	1,00E+01	5,23E+00	2,47E+01	1,82E+01	1,07E+01	5,85E+00
300	3,30E+01	2,42E+01	1,32E+01	6,65E+00	3,45E+01	2,52E+01	1,45E+01	7,72E+00
360	3,75E+01	2,74E+01	1,48E+01	7,40E+00	3,99E+01	2,90E+01	1,65E+01	8,75E+00
365	3,78E+01	2,77E+01	1,49E+01	7,46E+00	4,04E+01	2,93E+01	1,67E+01	8,83E+00
400	4,03E+01	2,94E+01	1,58E+01	7,86E+00	4,34E+01	3,15E+01	1,79E+01	9,41E+00
500	4,66E+01	3,40E+01	1,81E+01	8,90E+00	5,14E+01	3,72E+01	2,10E+01	1,10E+01
600	5,22E+01	3,80E+01	2,02E+01	9,83E+00	5,88E+01	4,25E+01	2,39E+01	1,24E+01
700	5,72E+01	4,16E+01	2,20E+01	1,07E+01	6,56E+01	4,74E+01	2,65E+01	1,37E+01
800	6,18E+01	4,49E+01	2,37E+01	1,14E+01	7,20E+01	5,19E+01	2,90E+01	1,49E+01
900	6,60E+01	4,79E+01	2,52E+01	1,21E+01	7,81E+01	5,62E+01	3,14E+01	1,61E+01
1000	6,99E+01	5,08E+01	2,66E+01	1,28E+01	8,37E+01	6,03E+01	3,35E+01	1,72E+01
2000	9,77E+01	7,08E+01	3,68E+01	1,74E+01	1,26E+02	9,02E+01	4,99E+01	2,54E+01
3000	1,14E+02	8,22E+01	4,26E+01	2,01E+01	1,51E+02	1,08E+02	5,97E+01	3,03E+01
4000	1,23E+02	8,91E+01	4,61E+01	2,17E+01	1,66E+02	1,19E+02	6,56E+01	3,32E+01
5000	1,29E+02	9,32E+01	4,82E+01	2,26E+01	1,76E+02	1,26E+02	6,94E+01	3,51E+01
6000	1,33E+02	9,59E+01	4,95E+01	2,32E+01	1,82E+02	1,30E+02	7,17E+01	3,63E+01
8000	1,36E+02	9,85E+01	5,09E+01	2,39E+01	1,88E+02	1,35E+02	7,41E+01	3,75E+01
10000	1,38E+02	9,96E+01	5,14E+01	2,41E+01	1,90E+02	1,36E+02	7,51E+01	3,80E+01
13500	1,39E+02	1,00E+02	5,17E+01	2,42E+01	1,92E+02	1,37E+02	7,56E+01	3,82E+01
14600	1,39E+02	1,00E+02	5,17E+01	2,43E+01	1,92E+02	1,37E+02	7,57E+01	3,83E+01
18250	1,39E+02	1,00E+02	5,17E+01	2,43E+01	1,92E+02	1,37E+02	7,57E+01	3,83E+01
Eff. Dosis	6,2E-09	4,6E-09	2,7E-09	1,4E-09	5,0E-09	3,6E-09	2,1E-09	1,1E-09
Gebärmutter	4,9E-10	3,7E-10	2,3E-10	1,3E-10	1,0E-09	7,3E-10	4,4E-10	2,5E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-169

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,70E-01	4,50E-01	7,08E-01	6,65E-01	2,76E-01	4,54E-01	7,10E-01	6,66E-01
2	4,82E-01	7,57E-01	1,16E+00	1,08E+00	5,06E-01	7,73E-01	1,17E+00	1,08E+00
3	6,46E-01	9,36E-01	1,37E+00	1,26E+00	6,91E-01	9,65E-01	1,38E+00	1,27E+00
3,5	7,18E-01	1,00E+00	1,43E+00	1,31E+00	7,73E-01	1,04E+00	1,44E+00	1,31E+00
4	7,86E-01	1,05E+00	1,47E+00	1,34E+00	8,51E-01	1,10E+00	1,49E+00	1,34E+00
5	9,15E-01	1,15E+00	1,54E+00	1,37E+00	9,99E-01	1,21E+00	1,55E+00	1,38E+00
6	1,04E+00	1,24E+00	1,59E+00	1,40E+00	1,14E+00	1,31E+00	1,61E+00	1,40E+00
7	1,16E+00	1,33E+00	1,64E+00	1,43E+00	1,27E+00	1,40E+00	1,66E+00	1,43E+00
8	1,28E+00	1,41E+00	1,69E+00	1,45E+00	1,41E+00	1,49E+00	1,70E+00	1,45E+00
9	1,39E+00	1,49E+00	1,73E+00	1,48E+00	1,53E+00	1,58E+00	1,75E+00	1,47E+00
10	1,50E+00	1,57E+00	1,78E+00	1,50E+00	1,65E+00	1,67E+00	1,80E+00	1,49E+00
11	1,61E+00	1,65E+00	1,83E+00	1,52E+00	1,77E+00	1,75E+00	1,84E+00	1,51E+00
12	1,72E+00	1,72E+00	1,87E+00	1,55E+00	1,89E+00	1,84E+00	1,88E+00	1,53E+00
13	1,82E+00	1,80E+00	1,91E+00	1,57E+00	2,00E+00	1,92E+00	1,92E+00	1,55E+00
14	1,93E+00	1,87E+00	1,95E+00	1,59E+00	2,11E+00	1,99E+00	1,96E+00	1,57E+00
15	2,03E+00	1,94E+00	1,99E+00	1,61E+00	2,21E+00	2,07E+00	2,00E+00	1,59E+00
20	2,49E+00	2,27E+00	2,19E+00	1,71E+00	2,70E+00	2,42E+00	2,18E+00	1,68E+00
30	3,29E+00	2,84E+00	2,51E+00	1,87E+00	3,52E+00	3,00E+00	2,49E+00	1,82E+00
40	3,92E+00	3,29E+00	2,77E+00	2,01E+00	4,16E+00	3,46E+00	2,72E+00	1,93E+00
45	4,19E+00	3,48E+00	2,88E+00	2,06E+00	4,43E+00	3,65E+00	2,82E+00	1,97E+00
50	4,43E+00	3,65E+00	2,97E+00	2,11E+00	4,67E+00	3,82E+00	2,91E+00	2,01E+00
60	4,84E+00	3,94E+00	3,14E+00	2,20E+00	5,06E+00	4,11E+00	3,06E+00	2,08E+00
70	5,16E+00	4,17E+00	3,27E+00	2,27E+00	5,38E+00	4,33E+00	3,17E+00	2,14E+00
80	5,43E+00	4,36E+00	3,38E+00	2,32E+00	5,62E+00	4,51E+00	3,27E+00	2,18E+00
90	5,64E+00	4,51E+00	3,46E+00	2,37E+00	5,82E+00	4,65E+00	3,34E+00	2,21E+00
100	5,81E+00	4,63E+00	3,53E+00	2,40E+00	5,98E+00	4,76E+00	3,40E+00	2,24E+00
120	6,05E+00	4,80E+00	3,63E+00	2,45E+00	6,20E+00	4,92E+00	3,48E+00	2,28E+00
180	6,38E+00	5,03E+00	3,76E+00	2,52E+00	6,48E+00	5,12E+00	3,58E+00	2,33E+00
200	6,42E+00	5,06E+00	3,78E+00	2,53E+00	6,51E+00	5,15E+00	3,59E+00	2,33E+00
300	6,49E+00	5,11E+00	3,81E+00	2,55E+00	6,57E+00	5,19E+00	3,62E+00	2,34E+00
360	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,57E+00	5,19E+00	3,62E+00	2,35E+00
365	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,57E+00	5,19E+00	3,62E+00	2,35E+00
400	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,57E+00	5,19E+00	3,62E+00	2,35E+00
500	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
600	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
700	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
800	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
900	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
1000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
2000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
3000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
4000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
5000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
6000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
8000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
10000	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
13500	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
14600	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
18250	6,50E+00	5,12E+00	3,81E+00	2,55E+00	6,58E+00	5,19E+00	3,62E+00	2,35E+00
Eff. Dosis	6,2E-10	5,0E-10	4,3E-10	3,1E-10	1,8E-09	1,2E-09	8,3E-10	5,0E-10
Gebärmutter	2,6E-10	2,9E-10	3,5E-10	3,0E-10	1,3E-10	1,9E-10	3,0E-10	2,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-169						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,78E-01	4,55E-01	7,11E-01	6,67E-01	9,31E-01	8,49E-01
2	5,12E-01	7,77E-01	1,17E+00	1,08E+00	1,45E+00	1,63E+00
3	7,02E-01	9,73E-01	1,39E+00	1,27E+00	1,62E+00	2,39E+00
3,5	7,87E-01	1,04E+00	1,45E+00	1,31E+00	1,65E+00	2,76E+00
4	8,67E-01	1,11E+00	1,49E+00	1,34E+00	1,66E+00	3,12E+00
5	1,02E+00	1,22E+00	1,56E+00	1,38E+00	1,67E+00	3,83E+00
6	1,17E+00	1,32E+00	1,61E+00	1,40E+00	1,68E+00	4,53E+00
7	1,31E+00	1,42E+00	1,66E+00	1,43E+00	1,68E+00	5,21E+00
8	1,44E+00	1,52E+00	1,71E+00	1,45E+00	1,68E+00	5,87E+00
9	1,57E+00	1,61E+00	1,76E+00	1,47E+00	1,68E+00	6,52E+00
10	1,69E+00	1,70E+00	1,80E+00	1,49E+00	1,68E+00	7,15E+00
11	1,82E+00	1,78E+00	1,85E+00	1,51E+00	1,68E+00	7,77E+00
12	1,93E+00	1,87E+00	1,89E+00	1,53E+00	1,68E+00	8,38E+00
13	2,05E+00	1,95E+00	1,93E+00	1,55E+00	1,68E+00	8,97E+00
14	2,16E+00	2,03E+00	1,97E+00	1,57E+00	1,68E+00	9,55E+00
15	2,27E+00	2,11E+00	2,01E+00	1,59E+00	1,68E+00	1,01E+01
20	2,77E+00	2,47E+00	2,19E+00	1,67E+00	1,68E+00	1,28E+01
30	3,61E+00	3,07E+00	2,50E+00	1,81E+00	1,68E+00	1,72E+01
40	4,27E+00	3,54E+00	2,74E+00	1,91E+00	1,68E+00	2,08E+01
45	4,55E+00	3,74E+00	2,84E+00	1,96E+00	1,69E+00	2,23E+01
50	4,79E+00	3,92E+00	2,92E+00	2,00E+00	1,69E+00	2,37E+01
60	5,20E+00	4,21E+00	3,07E+00	2,07E+00	1,69E+00	2,60E+01
70	5,53E+00	4,45E+00	3,19E+00	2,12E+00	1,69E+00	2,79E+01
80	5,78E+00	4,63E+00	3,28E+00	2,16E+00	1,69E+00	2,94E+01
90	5,99E+00	4,78E+00	3,36E+00	2,20E+00	1,69E+00	3,06E+01
100	6,15E+00	4,89E+00	3,42E+00	2,22E+00	1,69E+00	3,15E+01
120	6,37E+00	5,06E+00	3,50E+00	2,26E+00	1,69E+00	3,29E+01
180	6,66E+00	5,26E+00	3,60E+00	2,31E+00	1,69E+00	3,48E+01
200	6,70E+00	5,29E+00	3,61E+00	2,31E+00	1,69E+00	3,50E+01
300	6,75E+00	5,33E+00	3,63E+00	2,32E+00	1,69E+00	3,54E+01
360	6,75E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,54E+01
365	6,75E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,54E+01
400	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,54E+01
500	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
600	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
700	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
800	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
900	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
1000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
2000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
3000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
4000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
5000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
6000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
8000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
10000	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
13500	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
14600	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
18250	6,76E+00	5,33E+00	3,64E+00	2,32E+00	1,69E+00	3,55E+01
Eff. Dosis	2,3E-09	1,6E-09	1,0E-09	6,0E-10	1,7E-10	2,3E-09
Gebärmutter	6,26E-11	1,5E-10	2,7E-10	2,6E-10	4,3E-10	1,3E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-169								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,78E-01	4,55E-01	7,11E-01	6,67E-01	2,74E-01	4,53E-01	7,09E-01	6,66E-01
2	5,12E-01	7,77E-01	1,17E+00	1,08E+00	4,98E-01	7,68E-01	1,16E+00	1,08E+00
3	7,02E-01	9,73E-01	1,39E+00	1,27E+00	6,76E-01	9,56E-01	1,38E+00	1,27E+00
3,5	7,87E-01	1,05E+00	1,45E+00	1,31E+00	7,55E-01	1,02E+00	1,44E+00	1,31E+00
4	8,68E-01	1,11E+00	1,49E+00	1,34E+00	8,29E-01	1,08E+00	1,48E+00	1,34E+00
5	1,02E+00	1,22E+00	1,56E+00	1,38E+00	9,71E-01	1,19E+00	1,55E+00	1,38E+00
6	1,17E+00	1,32E+00	1,61E+00	1,40E+00	1,11E+00	1,28E+00	1,60E+00	1,40E+00
7	1,31E+00	1,42E+00	1,66E+00	1,43E+00	1,24E+00	1,38E+00	1,65E+00	1,43E+00
8	1,44E+00	1,52E+00	1,71E+00	1,45E+00	1,36E+00	1,47E+00	1,70E+00	1,45E+00
9	1,57E+00	1,61E+00	1,76E+00	1,47E+00	1,49E+00	1,55E+00	1,75E+00	1,48E+00
10	1,70E+00	1,70E+00	1,80E+00	1,49E+00	1,61E+00	1,64E+00	1,79E+00	1,50E+00
11	1,82E+00	1,78E+00	1,85E+00	1,51E+00	1,72E+00	1,72E+00	1,84E+00	1,52E+00
12	1,94E+00	1,87E+00	1,89E+00	1,53E+00	1,84E+00	1,80E+00	1,88E+00	1,54E+00
13	2,05E+00	1,95E+00	1,93E+00	1,55E+00	1,95E+00	1,88E+00	1,92E+00	1,56E+00
14	2,16E+00	2,03E+00	1,97E+00	1,57E+00	2,05E+00	1,96E+00	1,96E+00	1,58E+00
15	2,27E+00	2,11E+00	2,01E+00	1,59E+00	2,16E+00	2,03E+00	2,00E+00	1,60E+00
20	2,77E+00	2,47E+00	2,19E+00	1,67E+00	2,65E+00	2,38E+00	2,19E+00	1,69E+00
30	3,61E+00	3,07E+00	2,49E+00	1,81E+00	3,46E+00	2,96E+00	2,50E+00	1,84E+00
40	4,26E+00	3,54E+00	2,73E+00	1,91E+00	4,11E+00	3,43E+00	2,75E+00	1,96E+00
45	4,54E+00	3,74E+00	2,83E+00	1,96E+00	4,38E+00	3,62E+00	2,85E+00	2,01E+00
50	4,78E+00	3,91E+00	2,92E+00	2,00E+00	4,63E+00	3,79E+00	2,94E+00	2,06E+00
60	5,19E+00	4,20E+00	3,07E+00	2,06E+00	5,03E+00	4,09E+00	3,10E+00	2,14E+00
70	5,51E+00	4,44E+00	3,18E+00	2,12E+00	5,36E+00	4,32E+00	3,22E+00	2,20E+00
80	5,77E+00	4,62E+00	3,28E+00	2,16E+00	5,62E+00	4,50E+00	3,32E+00	2,25E+00
90	5,97E+00	4,76E+00	3,35E+00	2,19E+00	5,82E+00	4,65E+00	3,40E+00	2,28E+00
100	6,12E+00	4,88E+00	3,41E+00	2,22E+00	5,99E+00	4,77E+00	3,47E+00	2,31E+00
120	6,35E+00	5,04E+00	3,49E+00	2,25E+00	6,22E+00	4,93E+00	3,56E+00	2,36E+00
180	6,63E+00	5,24E+00	3,59E+00	2,30E+00	6,53E+00	5,15E+00	3,67E+00	2,42E+00
200	6,67E+00	5,27E+00	3,60E+00	2,31E+00	6,57E+00	5,18E+00	3,69E+00	2,42E+00
300	6,72E+00	5,30E+00	3,62E+00	2,31E+00	6,63E+00	5,22E+00	3,71E+00	2,43E+00
360	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
365	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
400	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
500	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
600	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
700	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
800	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
900	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
1000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
2000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
3000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
4000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
5000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
6000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
8000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
10000	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
13500	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
14600	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
18250	6,72E+00	5,31E+00	3,62E+00	2,31E+00	6,63E+00	5,23E+00	3,71E+00	2,44E+00
Eff. Dosis	2,2E-09	1,6E-09	1,0E-09	6,0E-10	1,4E-09	1,0E-09	7,2E-10	4,5E-10
Gebärmutter	6,7E-11	1,5E-10	2,7E-10	2,6E-10	1,6E-10	2,2E-10	3,1E-10	2,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-175

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,52E-01	4,20E-01	6,62E-01	6,21E-01	2,58E-01	4,24E-01	6,64E-01	6,23E-01
2	4,24E-01	6,69E-01	1,03E+00	9,58E-01	4,43E-01	6,83E-01	1,03E+00	9,61E-01
3	5,39E-01	7,95E-01	1,18E+00	1,09E+00	5,73E-01	8,18E-01	1,19E+00	1,09E+00
3,5	5,84E-01	8,35E-01	1,21E+00	1,12E+00	6,24E-01	8,62E-01	1,22E+00	1,12E+00
4	6,23E-01	8,67E-01	1,24E+00	1,13E+00	6,69E-01	8,97E-01	1,25E+00	1,14E+00
5	6,91E-01	9,17E-01	1,27E+00	1,15E+00	7,47E-01	9,54E-01	1,28E+00	1,16E+00
6	7,47E-01	9,58E-01	1,30E+00	1,17E+00	8,11E-01	9,99E-01	1,31E+00	1,17E+00
7	7,94E-01	9,91E-01	1,32E+00	1,18E+00	8,64E-01	1,04E+00	1,33E+00	1,18E+00
8	8,34E-01	1,02E+00	1,33E+00	1,18E+00	9,08E-01	1,07E+00	1,34E+00	1,18E+00
9	8,68E-01	1,04E+00	1,35E+00	1,19E+00	9,45E-01	1,10E+00	1,36E+00	1,19E+00
10	8,96E-01	1,06E+00	1,36E+00	1,20E+00	9,76E-01	1,12E+00	1,37E+00	1,20E+00
11	9,20E-01	1,08E+00	1,37E+00	1,20E+00	1,00E+00	1,14E+00	1,38E+00	1,20E+00
12	9,41E-01	1,10E+00	1,38E+00	1,21E+00	1,02E+00	1,15E+00	1,39E+00	1,20E+00
13	9,58E-01	1,11E+00	1,38E+00	1,21E+00	1,04E+00	1,16E+00	1,39E+00	1,21E+00
14	9,73E-01	1,12E+00	1,39E+00	1,21E+00	1,06E+00	1,18E+00	1,40E+00	1,21E+00
15	9,85E-01	1,13E+00	1,39E+00	1,22E+00	1,07E+00	1,19E+00	1,41E+00	1,21E+00
20	1,02E+00	1,15E+00	1,41E+00	1,22E+00	1,11E+00	1,21E+00	1,42E+00	1,22E+00
30	1,05E+00	1,17E+00	1,42E+00	1,23E+00	1,14E+00	1,23E+00	1,43E+00	1,22E+00
40	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
45	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
50	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
60	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
70	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
80	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
90	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
100	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
120	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
180	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
200	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
300	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
360	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
365	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
400	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
500	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
600	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
700	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
800	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
900	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
1000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
2000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
3000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
4000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
5000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
6000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
8000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
10000	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
13500	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
14600	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
18250	1,05E+00	1,18E+00	1,42E+00	1,23E+00	1,14E+00	1,24E+00	1,43E+00	1,23E+00
Eff. Dosis	1,2E-10	1,0E-10	1,0E-10	7,8E-11	3,3E-10	2,3E-10	1,8E-10	1,2E-10
Gebärmutter	1,3E-11	1,8E-11	2,6E-11	2,4E-11	6,1E-12	1,3E-11	2,3E-11	2,2E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-175						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,59E-01	4,25E-01	6,64E-01	6,23E-01	8,70E-01	7,92E-01
2	4,48E-01	6,86E-01	1,04E+00	9,62E-01	1,29E+00	1,43E+00
3	5,81E-01	8,23E-01	1,19E+00	1,09E+00	1,41E+00	1,95E+00
3,5	6,34E-01	8,68E-01	1,23E+00	1,12E+00	1,43E+00	2,18E+00
4	6,81E-01	9,05E-01	1,25E+00	1,14E+00	1,44E+00	2,39E+00
5	7,61E-01	9,63E-01	1,29E+00	1,16E+00	1,45E+00	2,77E+00
6	8,27E-01	1,01E+00	1,31E+00	1,17E+00	1,45E+00	3,08E+00
7	8,82E-01	1,05E+00	1,33E+00	1,18E+00	1,45E+00	3,35E+00
8	9,27E-01	1,08E+00	1,35E+00	1,19E+00	1,45E+00	3,57E+00
9	9,66E-01	1,11E+00	1,36E+00	1,19E+00	1,45E+00	3,76E+00
10	9,98E-01	1,13E+00	1,37E+00	1,20E+00	1,45E+00	3,92E+00
11	1,02E+00	1,15E+00	1,38E+00	1,20E+00	1,45E+00	4,06E+00
12	1,05E+00	1,17E+00	1,39E+00	1,20E+00	1,45E+00	4,18E+00
13	1,07E+00	1,18E+00	1,40E+00	1,21E+00	1,45E+00	4,27E+00
14	1,08E+00	1,19E+00	1,40E+00	1,21E+00	1,45E+00	4,36E+00
15	1,10E+00	1,20E+00	1,41E+00	1,21E+00	1,45E+00	4,43E+00
20	1,14E+00	1,23E+00	1,42E+00	1,22E+00	1,45E+00	4,65E+00
30	1,16E+00	1,25E+00	1,43E+00	1,22E+00	1,45E+00	4,78E+00
40	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
45	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
50	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
60	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
70	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
80	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
90	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
100	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
120	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
180	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
200	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
300	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
360	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
365	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
400	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
500	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
600	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
700	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
800	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
900	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
1000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
2000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
3000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
4000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
5000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
6000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
8000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
10000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
13500	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
14600	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
18250	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,45E+00	4,81E+00
Eff. Dosis	3,8E-10	2,6E-10	2,0E-10	1,3E-10	3,3E-11	1,4E-10
Gebärmutter	4,3E-12	1,2E-11	2,3E-11	2,2E-11	3,8E-11	6,2E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-175								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,59E-01	4,25E-01	6,64E-01	6,23E-01	2,56E-01	4,23E-01	6,63E-01	6,22E-01
2	4,48E-01	6,86E-01	1,04E+00	9,62E-01	4,37E-01	6,78E-01	1,03E+00	9,60E-01
3	5,81E-01	8,24E-01	1,19E+00	1,09E+00	5,61E-01	8,10E-01	1,18E+00	1,09E+00
3,5	6,35E-01	8,69E-01	1,23E+00	1,12E+00	6,11E-01	8,53E-01	1,22E+00	1,12E+00
4	6,82E-01	9,05E-01	1,25E+00	1,14E+00	6,54E-01	8,87E-01	1,25E+00	1,13E+00
5	7,62E-01	9,64E-01	1,29E+00	1,16E+00	7,29E-01	9,42E-01	1,28E+00	1,15E+00
6	8,28E-01	1,01E+00	1,31E+00	1,17E+00	7,90E-01	9,86E-01	1,30E+00	1,17E+00
7	8,82E-01	1,05E+00	1,33E+00	1,18E+00	8,41E-01	1,02E+00	1,32E+00	1,18E+00
8	9,28E-01	1,08E+00	1,35E+00	1,19E+00	8,84E-01	1,05E+00	1,34E+00	1,19E+00
9	9,66E-01	1,11E+00	1,36E+00	1,19E+00	9,20E-01	1,08E+00	1,35E+00	1,19E+00
10	9,98E-01	1,13E+00	1,37E+00	1,20E+00	9,51E-01	1,10E+00	1,37E+00	1,20E+00
11	1,03E+00	1,15E+00	1,38E+00	1,20E+00	9,77E-01	1,12E+00	1,38E+00	1,20E+00
12	1,05E+00	1,17E+00	1,39E+00	1,20E+00	9,98E-01	1,13E+00	1,38E+00	1,21E+00
13	1,07E+00	1,18E+00	1,40E+00	1,21E+00	1,02E+00	1,15E+00	1,39E+00	1,21E+00
14	1,08E+00	1,19E+00	1,40E+00	1,21E+00	1,03E+00	1,16E+00	1,40E+00	1,21E+00
15	1,10E+00	1,20E+00	1,41E+00	1,21E+00	1,05E+00	1,17E+00	1,40E+00	1,22E+00
20	1,14E+00	1,23E+00	1,42E+00	1,22E+00	1,09E+00	1,20E+00	1,42E+00	1,22E+00
30	1,16E+00	1,25E+00	1,43E+00	1,22E+00	1,11E+00	1,21E+00	1,43E+00	1,23E+00
40	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,11E+00	1,22E+00	1,43E+00	1,23E+00
45	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
50	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
60	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
70	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
80	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
90	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
100	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
120	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
180	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
200	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
300	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
360	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
365	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
400	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
500	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
600	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
700	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
800	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
900	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
1000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
2000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
3000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
4000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
5000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
6000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
8000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
10000	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
13500	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
14600	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
18250	1,17E+00	1,25E+00	1,44E+00	1,22E+00	1,12E+00	1,22E+00	1,43E+00	1,23E+00
Eff. Dosis	3,8E-10	2,6E-10	2,0E-10	1,3E-10	2,5E-10	1,8E-10	1,5E-10	1,0E-10
Gebärmutter	4,3E-12	1,2E-11	2,3E-11	2,2E-11	8,4E-12	1,5E-11	2,4E-11	2,3E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-177								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,03E-02	1,78E-02	2,84E-02	2,68E-02	1,03E-02	1,78E-02	2,84E-02	2,68E-02
0,08333	1,75E-02	3,00E-02	4,79E-02	4,52E-02	1,75E-02	3,00E-02	4,79E-02	4,52E-02
0,125	2,24E-02	3,84E-02	6,13E-02	5,78E-02	2,24E-02	3,84E-02	6,13E-02	5,78E-02
0,1667	2,58E-02	4,42E-02	7,05E-02	6,65E-02	2,58E-02	4,42E-02	7,05E-02	6,65E-02
0,2083	2,81E-02	4,82E-02	7,68E-02	7,24E-02	2,82E-02	4,82E-02	7,69E-02	7,25E-02
0,25	2,98E-02	5,09E-02	8,12E-02	7,65E-02	2,98E-02	5,10E-02	8,12E-02	7,66E-02
0,2917	3,09E-02	5,28E-02	8,42E-02	7,93E-02	3,10E-02	5,29E-02	8,42E-02	7,94E-02
0,3333	3,17E-02	5,41E-02	8,62E-02	8,13E-02	3,17E-02	5,42E-02	8,63E-02	8,13E-02
0,375	3,22E-02	5,50E-02	8,77E-02	8,26E-02	3,23E-02	5,51E-02	8,77E-02	8,27E-02
0,4167	3,26E-02	5,56E-02	8,86E-02	8,35E-02	3,27E-02	5,57E-02	8,87E-02	8,36E-02
0,4583	3,28E-02	5,61E-02	8,93E-02	8,42E-02	3,29E-02	5,62E-02	8,94E-02	8,42E-02
0,5	3,30E-02	5,64E-02	8,98E-02	8,46E-02	3,31E-02	5,65E-02	8,98E-02	8,46E-02
0,5417	3,31E-02	5,66E-02	9,01E-02	8,49E-02	3,32E-02	5,67E-02	9,02E-02	8,49E-02
0,5833	3,32E-02	5,67E-02	9,03E-02	8,51E-02	3,33E-02	5,68E-02	9,04E-02	8,52E-02
0,625	3,33E-02	5,68E-02	9,05E-02	8,53E-02	3,34E-02	5,69E-02	9,05E-02	8,53E-02
0,6667	3,33E-02	5,69E-02	9,06E-02	8,54E-02	3,34E-02	5,70E-02	9,06E-02	8,54E-02
0,7083	3,33E-02	5,69E-02	9,07E-02	8,54E-02	3,34E-02	5,70E-02	9,07E-02	8,55E-02
0,75	3,33E-02	5,70E-02	9,07E-02	8,55E-02	3,35E-02	5,70E-02	9,08E-02	8,55E-02
0,7917	3,34E-02	5,70E-02	9,07E-02	8,55E-02	3,35E-02	5,71E-02	9,08E-02	8,55E-02
0,8333	3,34E-02	5,70E-02	9,08E-02	8,55E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
0,875	3,34E-02	5,70E-02	9,08E-02	8,55E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
0,9167	3,34E-02	5,70E-02	9,08E-02	8,55E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
0,9583	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,083	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
1,167	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
1,25	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
1,333	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
1,417	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
1,5	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
1,667	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
1,833	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
2	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
3	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
4	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
5	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
6	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
7	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
8	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
9	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
10	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
11	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
12	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
13	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
14	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
15	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
16	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
17	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
18	3,34E-02	5,70E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,09E-02	8,56E-02
Eff. Dosis	3,2E-11	3,9E-11	5,3E-11	4,4E-11	3,7E-11	4,3E-11	5,6E-11	4,6E-11
Gebärmutter	7,8E-13	1,7E-12	2,9E-12	2,7E-12	5,2E-13	1,5E-12	2,8E-12	2,7E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-177

Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,03E-02	1,78E-02	2,84E-02	2,68E-02	3,49E-02	3,46E-02
0,08333	1,75E-02	3,00E-02	4,79E-02	4,52E-02	5,92E-02	5,78E-02
0,125	2,24E-02	3,84E-02	6,13E-02	5,78E-02	7,61E-02	7,33E-02
0,1667	2,58E-02	4,42E-02	7,05E-02	6,65E-02	8,78E-02	8,38E-02
0,2083	2,82E-02	4,82E-02	7,69E-02	7,25E-02	9,60E-02	9,10E-02
0,25	2,98E-02	5,10E-02	8,12E-02	7,66E-02	1,02E-01	9,60E-02
0,2917	3,10E-02	5,29E-02	8,42E-02	7,94E-02	1,06E-01	9,94E-02
0,3333	3,18E-02	5,42E-02	8,63E-02	8,13E-02	1,08E-01	1,02E-01
0,375	3,23E-02	5,51E-02	8,77E-02	8,27E-02	1,10E-01	1,03E-01
0,4167	3,27E-02	5,57E-02	8,87E-02	8,36E-02	1,12E-01	1,05E-01
0,4583	3,29E-02	5,62E-02	8,94E-02	8,42E-02	1,13E-01	1,05E-01
0,5	3,31E-02	5,65E-02	8,98E-02	8,47E-02	1,13E-01	1,06E-01
0,5417	3,33E-02	5,67E-02	9,02E-02	8,50E-02	1,14E-01	1,06E-01
0,5833	3,33E-02	5,68E-02	9,04E-02	8,52E-02	1,14E-01	1,06E-01
0,625	3,34E-02	5,69E-02	9,05E-02	8,53E-02	1,14E-01	1,07E-01
0,6667	3,34E-02	5,70E-02	9,06E-02	8,54E-02	1,14E-01	1,07E-01
0,7083	3,35E-02	5,70E-02	9,07E-02	8,55E-02	1,14E-01	1,07E-01
0,75	3,35E-02	5,71E-02	9,08E-02	8,55E-02	1,14E-01	1,07E-01
0,7917	3,35E-02	5,71E-02	9,08E-02	8,55E-02	1,14E-01	1,07E-01
0,8333	3,35E-02	5,71E-02	9,08E-02	8,56E-02	1,14E-01	1,07E-01
0,875	3,35E-02	5,71E-02	9,08E-02	8,56E-02	1,14E-01	1,07E-01
0,9167	3,35E-02	5,71E-02	9,08E-02	8,56E-02	1,14E-01	1,07E-01
0,9583	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,083	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,167	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,25	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,333	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,417	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,5	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,667	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
1,833	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
2	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
3	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
4	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
5	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
6	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
7	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
8	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
9	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
10	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
11	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
12	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
13	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
14	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
15	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
16	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
17	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
18	3,35E-02	5,71E-02	9,09E-02	8,56E-02	1,15E-01	1,07E-01
Eff. Dosis	3,9E-11	4,4E-11	5,7E-11	4,6E-11	6,2E-11	1,7E-11
Gebärmutter	4,53E-13	1,4E-12	2,7E-12	2,7E-12	8,4E-12	1,0E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Yb-177								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,03E-02	1,78E-02	2,84E-02	2,68E-02	1,03E-02	1,78E-02	2,84E-02	2,68E-02
0,08333	1,75E-02	3,00E-02	4,80E-02	4,52E-02	1,75E-02	3,00E-02	4,80E-02	4,52E-02
0,125	2,24E-02	3,84E-02	6,13E-02	5,78E-02	2,24E-02	3,84E-02	6,13E-02	5,78E-02
0,1667	2,58E-02	4,42E-02	7,05E-02	6,65E-02	2,58E-02	4,42E-02	7,05E-02	6,65E-02
0,2083	2,82E-02	4,82E-02	7,69E-02	7,25E-02	2,82E-02	4,82E-02	7,69E-02	7,25E-02
0,25	2,98E-02	5,10E-02	8,12E-02	7,66E-02	2,98E-02	5,10E-02	8,12E-02	7,65E-02
0,2917	3,10E-02	5,29E-02	8,42E-02	7,94E-02	3,09E-02	5,29E-02	8,42E-02	7,94E-02
0,3333	3,18E-02	5,42E-02	8,63E-02	8,13E-02	3,17E-02	5,42E-02	8,63E-02	8,13E-02
0,375	3,23E-02	5,51E-02	8,77E-02	8,27E-02	3,23E-02	5,51E-02	8,77E-02	8,26E-02
0,4167	3,27E-02	5,57E-02	8,87E-02	8,36E-02	3,26E-02	5,57E-02	8,87E-02	8,36E-02
0,4583	3,29E-02	5,62E-02	8,94E-02	8,42E-02	3,29E-02	5,61E-02	8,94E-02	8,42E-02
0,5	3,31E-02	5,65E-02	8,99E-02	8,47E-02	3,31E-02	5,64E-02	8,98E-02	8,46E-02
0,5417	3,33E-02	5,67E-02	9,02E-02	8,50E-02	3,32E-02	5,66E-02	9,01E-02	8,49E-02
0,5833	3,33E-02	5,68E-02	9,04E-02	8,52E-02	3,33E-02	5,68E-02	9,04E-02	8,51E-02
0,625	3,34E-02	5,69E-02	9,05E-02	8,53E-02	3,33E-02	5,69E-02	9,05E-02	8,53E-02
0,6667	3,34E-02	5,70E-02	9,07E-02	8,54E-02	3,34E-02	5,69E-02	9,06E-02	8,54E-02
0,7083	3,35E-02	5,70E-02	9,07E-02	8,55E-02	3,34E-02	5,70E-02	9,07E-02	8,54E-02
0,75	3,35E-02	5,71E-02	9,08E-02	8,55E-02	3,34E-02	5,70E-02	9,07E-02	8,55E-02
0,7917	3,35E-02	5,71E-02	9,08E-02	8,55E-02	3,34E-02	5,70E-02	9,08E-02	8,55E-02
0,8333	3,35E-02	5,71E-02	9,08E-02	8,56E-02	3,34E-02	5,70E-02	9,08E-02	8,55E-02
0,875	3,35E-02	5,71E-02	9,08E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
0,9167	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
0,9583	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,083	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,167	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,25	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,333	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,417	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,5	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,667	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
1,833	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
2	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
3	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
4	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
5	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
6	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
7	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
8	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
9	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
10	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
11	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
12	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
13	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
14	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
15	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
16	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
17	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
18	3,35E-02	5,71E-02	9,09E-02	8,56E-02	3,35E-02	5,71E-02	9,08E-02	8,56E-02
Eff. Dosis	3,9E-11	4,4E-11	5,7E-11	4,6E-11	3,5E-11	4,2E-11	5,5E-11	4,5E-11
Gebärmutter	4,5E-13	1,4E-12	2,7E-12	2,7E-12	6,2E-13	1,5E-12	2,8E-12	2,7E-12

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Lu-177

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,60E-01	4,33E-01	6,81E-01	6,39E-01	2,66E-01	4,37E-01	6,83E-01	6,41E-01
2	4,49E-01	7,06E-01	1,08E+00	1,01E+00	4,69E-01	7,19E-01	1,09E+00	1,01E+00
3	5,84E-01	8,53E-01	1,25E+00	1,16E+00	6,19E-01	8,76E-01	1,26E+00	1,16E+00
3,5	6,40E-01	9,02E-01	1,30E+00	1,19E+00	6,82E-01	9,30E-01	1,31E+00	1,19E+00
4	6,90E-01	9,43E-01	1,33E+00	1,21E+00	7,39E-01	9,75E-01	1,34E+00	1,22E+00
5	7,80E-01	1,01E+00	1,37E+00	1,24E+00	8,41E-01	1,05E+00	1,39E+00	1,24E+00
6	8,60E-01	1,07E+00	1,41E+00	1,26E+00	9,30E-01	1,11E+00	1,42E+00	1,26E+00
7	9,31E-01	1,12E+00	1,44E+00	1,27E+00	1,01E+00	1,17E+00	1,45E+00	1,27E+00
8	9,96E-01	1,16E+00	1,46E+00	1,29E+00	1,08E+00	1,22E+00	1,48E+00	1,29E+00
9	1,05E+00	1,21E+00	1,49E+00	1,30E+00	1,14E+00	1,26E+00	1,50E+00	1,30E+00
10	1,11E+00	1,24E+00	1,51E+00	1,31E+00	1,20E+00	1,30E+00	1,52E+00	1,31E+00
11	1,15E+00	1,28E+00	1,53E+00	1,32E+00	1,25E+00	1,34E+00	1,54E+00	1,31E+00
12	1,19E+00	1,31E+00	1,54E+00	1,33E+00	1,29E+00	1,37E+00	1,56E+00	1,32E+00
13	1,23E+00	1,33E+00	1,56E+00	1,34E+00	1,33E+00	1,40E+00	1,57E+00	1,33E+00
14	1,27E+00	1,36E+00	1,57E+00	1,34E+00	1,37E+00	1,42E+00	1,58E+00	1,34E+00
15	1,30E+00	1,38E+00	1,58E+00	1,35E+00	1,40E+00	1,45E+00	1,60E+00	1,34E+00
20	1,41E+00	1,46E+00	1,63E+00	1,37E+00	1,52E+00	1,53E+00	1,64E+00	1,36E+00
30	1,51E+00	1,53E+00	1,67E+00	1,40E+00	1,62E+00	1,61E+00	1,68E+00	1,38E+00
40	1,55E+00	1,56E+00	1,69E+00	1,40E+00	1,66E+00	1,63E+00	1,69E+00	1,39E+00
45	1,56E+00	1,56E+00	1,69E+00	1,41E+00	1,67E+00	1,64E+00	1,70E+00	1,39E+00
50	1,56E+00	1,57E+00	1,69E+00	1,41E+00	1,67E+00	1,64E+00	1,70E+00	1,39E+00
60	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
70	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
80	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
90	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
100	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
120	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
180	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
200	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
300	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
360	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
365	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
400	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
500	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
600	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
700	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
800	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
900	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
1000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
2000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
3000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
4000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
5000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
6000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
8000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
10000	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
13500	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
14600	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
18250	1,57E+00	1,57E+00	1,69E+00	1,41E+00	1,68E+00	1,65E+00	1,70E+00	1,39E+00
Eff. Dosis	1,6E-10	1,3E-10	1,3E-10	9,8E-11	4,9E-10	3,4E-10	2,5E-10	1,6E-10
Gebärmutter	1,9E-11	2,3E-11	2,9E-11	2,6E-11	8,2E-12	1,5E-11	2,5E-11	2,4E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Lu-177						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,67E-01	4,38E-01	6,84E-01	6,41E-01	8,95E-01	8,16E-01
2	4,74E-01	7,23E-01	1,09E+00	1,01E+00	1,36E+00	1,51E+00
3	6,29E-01	8,83E-01	1,27E+00	1,16E+00	1,50E+00	2,12E+00
3,5	6,93E-01	9,37E-01	1,31E+00	1,20E+00	1,52E+00	2,40E+00
4	7,53E-01	9,83E-01	1,35E+00	1,22E+00	1,53E+00	2,67E+00
5	8,58E-01	1,06E+00	1,39E+00	1,24E+00	1,54E+00	3,16E+00
6	9,50E-01	1,13E+00	1,43E+00	1,26E+00	1,54E+00	3,60E+00
7	1,03E+00	1,18E+00	1,46E+00	1,27E+00	1,54E+00	4,00E+00
8	1,10E+00	1,23E+00	1,48E+00	1,29E+00	1,54E+00	4,36E+00
9	1,17E+00	1,28E+00	1,51E+00	1,30E+00	1,54E+00	4,68E+00
10	1,23E+00	1,32E+00	1,53E+00	1,31E+00	1,54E+00	4,97E+00
11	1,28E+00	1,36E+00	1,54E+00	1,31E+00	1,54E+00	5,23E+00
12	1,32E+00	1,39E+00	1,56E+00	1,32E+00	1,54E+00	5,46E+00
13	1,36E+00	1,42E+00	1,58E+00	1,33E+00	1,54E+00	5,67E+00
14	1,40E+00	1,45E+00	1,59E+00	1,33E+00	1,54E+00	5,86E+00
15	1,43E+00	1,47E+00	1,60E+00	1,34E+00	1,54E+00	6,03E+00
20	1,55E+00	1,55E+00	1,64E+00	1,36E+00	1,54E+00	6,66E+00
30	1,66E+00	1,63E+00	1,68E+00	1,38E+00	1,54E+00	7,25E+00
40	1,70E+00	1,66E+00	1,70E+00	1,38E+00	1,54E+00	7,46E+00
45	1,71E+00	1,67E+00	1,70E+00	1,38E+00	1,54E+00	7,50E+00
50	1,71E+00	1,67E+00	1,70E+00	1,39E+00	1,54E+00	7,53E+00
60	1,72E+00	1,67E+00	1,70E+00	1,39E+00	1,54E+00	7,56E+00
70	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,56E+00
80	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
90	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
100	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
120	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
180	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
200	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
300	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
360	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
365	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
400	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
500	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
600	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
700	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
800	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
900	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
1000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
2000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
3000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
4000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
5000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
6000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
8000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
10000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
13500	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
14600	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
18250	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,54E+00	7,57E+00
Eff. Dosis	5,9E-10	4,0E-10	2,9E-10	1,8E-10	3,6E-11	2,4E-10
Gebärmutter	4,74E-12	1,3E-11	2,4E-11	2,3E-11	3,9E-11	9,9E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Lu-177

Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,67E-01	4,38E-01	6,84E-01	6,41E-01	2,64E-01	4,35E-01	6,82E-01	6,40E-01
2	4,74E-01	7,23E-01	1,09E+00	1,01E+00	4,62E-01	7,14E-01	1,08E+00	1,01E+00
3	6,29E-01	8,83E-01	1,27E+00	1,16E+00	6,06E-01	8,68E-01	1,26E+00	1,16E+00
3,5	6,94E-01	9,38E-01	1,31E+00	1,20E+00	6,67E-01	9,20E-01	1,31E+00	1,19E+00
4	7,53E-01	9,84E-01	1,35E+00	1,22E+00	7,21E-01	9,63E-01	1,34E+00	1,22E+00
5	8,59E-01	1,06E+00	1,39E+00	1,24E+00	8,19E-01	1,04E+00	1,38E+00	1,24E+00
6	9,51E-01	1,13E+00	1,43E+00	1,26E+00	9,05E-01	1,10E+00	1,42E+00	1,26E+00
7	1,03E+00	1,18E+00	1,46E+00	1,27E+00	9,82E-01	1,15E+00	1,45E+00	1,27E+00
8	1,11E+00	1,24E+00	1,48E+00	1,29E+00	1,05E+00	1,20E+00	1,47E+00	1,29E+00
9	1,17E+00	1,28E+00	1,51E+00	1,30E+00	1,11E+00	1,24E+00	1,50E+00	1,30E+00
10	1,23E+00	1,32E+00	1,53E+00	1,31E+00	1,17E+00	1,28E+00	1,52E+00	1,31E+00
11	1,28E+00	1,36E+00	1,54E+00	1,31E+00	1,21E+00	1,32E+00	1,54E+00	1,32E+00
12	1,32E+00	1,39E+00	1,56E+00	1,32E+00	1,26E+00	1,35E+00	1,55E+00	1,33E+00
13	1,36E+00	1,42E+00	1,58E+00	1,33E+00	1,30E+00	1,38E+00	1,57E+00	1,33E+00
14	1,40E+00	1,45E+00	1,59E+00	1,33E+00	1,33E+00	1,40E+00	1,58E+00	1,34E+00
15	1,43E+00	1,47E+00	1,60E+00	1,34E+00	1,36E+00	1,42E+00	1,59E+00	1,34E+00
20	1,55E+00	1,55E+00	1,64E+00	1,36E+00	1,48E+00	1,51E+00	1,64E+00	1,37E+00
30	1,66E+00	1,63E+00	1,68E+00	1,38E+00	1,59E+00	1,58E+00	1,68E+00	1,39E+00
40	1,70E+00	1,66E+00	1,70E+00	1,38E+00	1,63E+00	1,61E+00	1,69E+00	1,39E+00
45	1,71E+00	1,67E+00	1,70E+00	1,38E+00	1,63E+00	1,62E+00	1,70E+00	1,39E+00
50	1,71E+00	1,67E+00	1,70E+00	1,39E+00	1,64E+00	1,62E+00	1,70E+00	1,40E+00
60	1,72E+00	1,67E+00	1,70E+00	1,39E+00	1,64E+00	1,62E+00	1,70E+00	1,40E+00
70	1,72E+00	1,67E+00	1,70E+00	1,39E+00	1,64E+00	1,62E+00	1,70E+00	1,40E+00
80	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
90	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
100	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
120	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
180	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
200	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
300	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
360	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
365	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
400	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
500	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
600	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
700	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
800	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
900	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
1000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
2000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
3000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
4000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
5000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
6000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
8000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
10000	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
13500	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
14600	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
18250	1,72E+00	1,68E+00	1,71E+00	1,39E+00	1,65E+00	1,62E+00	1,70E+00	1,40E+00
Eff. Dosis	5,9E-10	4,0E-10	2,9E-10	1,8E-10	3,8E-10	2,7E-10	2,1E-10	1,4E-10
Gebärmutter	4,7E-12	1,3E-11	2,4E-11	2,3E-11	1,2E-11	1,8E-11	2,7E-11	2,5E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Lu-177m								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,73E-01	4,54E-01	7,14E-01	6,70E-01	2,79E-01	4,58E-01	7,16E-01	6,72E-01
2	4,92E-01	7,70E-01	1,18E+00	1,10E+00	5,14E-01	7,85E-01	1,18E+00	1,10E+00
3	6,65E-01	9,58E-01	1,40E+00	1,29E+00	7,07E-01	9,86E-01	1,41E+00	1,29E+00
3,5	7,42E-01	1,03E+00	1,46E+00	1,33E+00	7,94E-01	1,06E+00	1,47E+00	1,34E+00
4	8,15E-01	1,09E+00	1,50E+00	1,37E+00	8,77E-01	1,13E+00	1,52E+00	1,37E+00
5	9,57E-01	1,19E+00	1,57E+00	1,41E+00	1,04E+00	1,24E+00	1,59E+00	1,41E+00
6	1,10E+00	1,29E+00	1,63E+00	1,44E+00	1,19E+00	1,35E+00	1,65E+00	1,44E+00
7	1,23E+00	1,39E+00	1,69E+00	1,47E+00	1,34E+00	1,46E+00	1,71E+00	1,47E+00
8	1,37E+00	1,48E+00	1,74E+00	1,50E+00	1,49E+00	1,56E+00	1,76E+00	1,49E+00
9	1,50E+00	1,58E+00	1,80E+00	1,53E+00	1,64E+00	1,67E+00	1,81E+00	1,52E+00
10	1,64E+00	1,68E+00	1,85E+00	1,55E+00	1,78E+00	1,77E+00	1,87E+00	1,54E+00
11	1,77E+00	1,77E+00	1,90E+00	1,58E+00	1,92E+00	1,87E+00	1,92E+00	1,57E+00
12	1,90E+00	1,86E+00	1,96E+00	1,61E+00	2,07E+00	1,97E+00	1,97E+00	1,59E+00
13	2,03E+00	1,96E+00	2,01E+00	1,64E+00	2,20E+00	2,07E+00	2,02E+00	1,61E+00
14	2,16E+00	2,05E+00	2,06E+00	1,66E+00	2,34E+00	2,17E+00	2,07E+00	1,64E+00
15	2,29E+00	2,14E+00	2,12E+00	1,69E+00	2,48E+00	2,27E+00	2,12E+00	1,66E+00
20	2,94E+00	2,60E+00	2,37E+00	1,83E+00	3,14E+00	2,74E+00	2,37E+00	1,78E+00
30	4,17E+00	3,47E+00	2,87E+00	2,08E+00	4,40E+00	3,64E+00	2,83E+00	1,99E+00
40	5,34E+00	4,31E+00	3,34E+00	2,33E+00	5,57E+00	4,48E+00	3,27E+00	2,20E+00
45	5,91E+00	4,71E+00	3,57E+00	2,45E+00	6,13E+00	4,88E+00	3,48E+00	2,29E+00
50	6,46E+00	5,10E+00	3,79E+00	2,56E+00	6,67E+00	5,27E+00	3,68E+00	2,39E+00
60	7,52E+00	5,86E+00	4,22E+00	2,79E+00	7,70E+00	6,01E+00	4,06E+00	2,56E+00
70	8,54E+00	6,58E+00	4,63E+00	3,00E+00	8,67E+00	6,70E+00	4,42E+00	2,73E+00
80	9,51E+00	7,27E+00	5,02E+00	3,20E+00	9,58E+00	7,35E+00	4,75E+00	2,89E+00
90	1,04E+01	7,92E+00	5,39E+00	3,40E+00	1,04E+01	7,96E+00	5,07E+00	3,04E+00
100	1,13E+01	8,55E+00	5,75E+00	3,58E+00	1,12E+01	8,54E+00	5,37E+00	3,18E+00
120	1,30E+01	9,72E+00	6,41E+00	3,93E+00	1,27E+01	9,60E+00	5,91E+00	3,43E+00
180	1,71E+01	1,27E+01	8,08E+00	4,79E+00	1,62E+01	1,21E+01	7,23E+00	4,05E+00
200	1,82E+01	1,35E+01	8,54E+00	5,03E+00	1,72E+01	1,28E+01	7,58E+00	4,22E+00
300	2,26E+01	1,66E+01	1,03E+01	5,95E+00	2,07E+01	1,53E+01	8,88E+00	4,83E+00
360	2,45E+01	1,79E+01	1,11E+01	6,34E+00	2,21E+01	1,63E+01	9,40E+00	5,08E+00
365	2,46E+01	1,80E+01	1,11E+01	6,37E+00	2,22E+01	1,64E+01	9,44E+00	5,09E+00
400	2,55E+01	1,86E+01	1,15E+01	6,54E+00	2,28E+01	1,68E+01	9,68E+00	5,21E+00
500	2,73E+01	1,99E+01	1,22E+01	6,92E+00	2,42E+01	1,78E+01	1,02E+01	5,44E+00
600	2,84E+01	2,07E+01	1,26E+01	7,17E+00	2,50E+01	1,84E+01	1,05E+01	5,59E+00
700	2,92E+01	2,12E+01	1,29E+01	7,32E+00	2,55E+01	1,88E+01	1,07E+01	5,69E+00
800	2,96E+01	2,16E+01	1,31E+01	7,42E+00	2,59E+01	1,90E+01	1,08E+01	5,75E+00
900	3,00E+01	2,18E+01	1,33E+01	7,49E+00	2,61E+01	1,92E+01	1,09E+01	5,79E+00
1000	3,02E+01	2,19E+01	1,33E+01	7,53E+00	2,63E+01	1,93E+01	1,10E+01	5,82E+00
2000	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
3000	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
4000	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
5000	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
6000	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
8000	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
10000	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
13500	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
14600	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
18250	3,05E+01	2,22E+01	1,35E+01	7,60E+00	2,65E+01	1,95E+01	1,11E+01	5,86E+00
Eff. Dosis	5,0E-09	3,7E-09	2,5E-09	1,5E-09	9,7E-09	7,0E-09	4,2E-09	2,3E-09
Gebärmutter	2,7E-09	2,2E-09	1,7E-09	1,2E-09	1,5E-09	1,3E-09	1,2E-09	9,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Lu-177m						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,59E-01	7,17E-01	6,72E-01	9,39E-01	8,56E-01
2	5,20E-01	7,89E-01	1,18E+00	1,10E+00	1,47E+00	1,66E+00
3	7,19E-01	9,93E-01	1,41E+00	1,29E+00	1,65E+00	2,45E+00
3,5	8,08E-01	1,07E+00	1,48E+00	1,34E+00	1,68E+00	2,84E+00
4	8,94E-01	1,14E+00	1,52E+00	1,37E+00	1,69E+00	3,23E+00
5	1,06E+00	1,26E+00	1,60E+00	1,41E+00	1,71E+00	4,00E+00
6	1,22E+00	1,37E+00	1,66E+00	1,44E+00	1,71E+00	4,76E+00
7	1,38E+00	1,48E+00	1,71E+00	1,47E+00	1,71E+00	5,52E+00
8	1,53E+00	1,59E+00	1,77E+00	1,49E+00	1,71E+00	6,28E+00
9	1,68E+00	1,70E+00	1,82E+00	1,52E+00	1,71E+00	7,03E+00
10	1,83E+00	1,80E+00	1,88E+00	1,54E+00	1,71E+00	7,77E+00
11	1,97E+00	1,90E+00	1,93E+00	1,56E+00	1,71E+00	8,52E+00
12	2,12E+00	2,01E+00	1,98E+00	1,59E+00	1,71E+00	9,26E+00
13	2,26E+00	2,11E+00	2,03E+00	1,61E+00	1,71E+00	9,99E+00
14	2,40E+00	2,21E+00	2,08E+00	1,63E+00	1,71E+00	1,07E+01
15	2,54E+00	2,31E+00	2,13E+00	1,66E+00	1,71E+00	1,15E+01
20	3,22E+00	2,80E+00	2,38E+00	1,77E+00	1,71E+00	1,50E+01
30	4,51E+00	3,72E+00	2,85E+00	1,98E+00	1,72E+00	2,19E+01
40	5,72E+00	4,59E+00	3,28E+00	2,18E+00	1,72E+00	2,85E+01
45	6,30E+00	5,01E+00	3,49E+00	2,27E+00	1,72E+00	3,17E+01
50	6,85E+00	5,41E+00	3,70E+00	2,36E+00	1,72E+00	3,48E+01
60	7,92E+00	6,18E+00	4,08E+00	2,54E+00	1,73E+00	4,08E+01
70	8,92E+00	6,90E+00	4,44E+00	2,70E+00	1,73E+00	4,65E+01
80	9,86E+00	7,57E+00	4,79E+00	2,86E+00	1,73E+00	5,20E+01
90	1,08E+01	8,21E+00	5,11E+00	3,00E+00	1,73E+00	5,72E+01
100	1,16E+01	8,81E+00	5,41E+00	3,14E+00	1,74E+00	6,22E+01
120	1,31E+01	9,90E+00	5,96E+00	3,39E+00	1,74E+00	7,15E+01
180	1,67E+01	1,25E+01	7,26E+00	3,98E+00	1,75E+00	9,48E+01
200	1,76E+01	1,32E+01	7,60E+00	4,13E+00	1,76E+00	1,01E+02
300	2,10E+01	1,56E+01	8,82E+00	4,69E+00	1,77E+00	1,26E+02
360	2,22E+01	1,65E+01	9,28E+00	4,90E+00	1,77E+00	1,37E+02
365	2,23E+01	1,65E+01	9,32E+00	4,91E+00	1,77E+00	1,37E+02
400	2,29E+01	1,69E+01	9,52E+00	5,00E+00	1,78E+00	1,42E+02
500	2,40E+01	1,77E+01	9,92E+00	5,19E+00	1,78E+00	1,52E+02
600	2,46E+01	1,82E+01	1,02E+01	5,30E+00	1,78E+00	1,59E+02
700	2,50E+01	1,85E+01	1,03E+01	5,36E+00	1,79E+00	1,63E+02
800	2,53E+01	1,87E+01	1,04E+01	5,40E+00	1,79E+00	1,66E+02
900	2,54E+01	1,88E+01	1,04E+01	5,43E+00	1,79E+00	1,68E+02
1000	2,55E+01	1,88E+01	1,05E+01	5,44E+00	1,79E+00	1,69E+02
2000	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
3000	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
4000	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
5000	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
6000	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
8000	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
10000	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
13500	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
14600	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
18250	2,57E+01	1,90E+01	1,05E+01	5,47E+00	1,79E+00	1,71E+02
Eff. Dosis	1,5E-08	1,1E-08	6,6E-09	3,6E-09	4,4E-10	2,5E-08
Gebärmutter	2,87E-10	4,8E-10	7,5E-10	7,0E-10	1,1E-09	1,5E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Lu-177m								
Zeit (d)	Inhalation Dioxid				Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,59E-01	7,17E-01	6,72E-01	2,77E-01	4,56E-01	7,15E-01	6,71E-01
2	5,20E-01	7,89E-01	1,19E+00	1,10E+00	5,06E-01	7,80E-01	1,18E+00	1,10E+00
3	7,19E-01	9,94E-01	1,41E+00	1,29E+00	6,92E-01	9,76E-01	1,40E+00	1,29E+00
3,5	8,09E-01	1,07E+00	1,48E+00	1,34E+00	7,75E-01	1,05E+00	1,47E+00	1,34E+00
4	8,95E-01	1,14E+00	1,52E+00	1,37E+00	8,55E-01	1,11E+00	1,51E+00	1,37E+00
5	1,06E+00	1,26E+00	1,60E+00	1,41E+00	1,01E+00	1,22E+00	1,58E+00	1,41E+00
6	1,22E+00	1,37E+00	1,66E+00	1,44E+00	1,16E+00	1,33E+00	1,64E+00	1,44E+00
7	1,38E+00	1,48E+00	1,71E+00	1,47E+00	1,30E+00	1,43E+00	1,70E+00	1,47E+00
8	1,53E+00	1,59E+00	1,77E+00	1,49E+00	1,45E+00	1,54E+00	1,76E+00	1,49E+00
9	1,68E+00	1,70E+00	1,82E+00	1,52E+00	1,59E+00	1,64E+00	1,81E+00	1,52E+00
10	1,83E+00	1,80E+00	1,88E+00	1,54E+00	1,73E+00	1,74E+00	1,86E+00	1,55E+00
11	1,97E+00	1,91E+00	1,93E+00	1,56E+00	1,87E+00	1,84E+00	1,92E+00	1,57E+00
12	2,12E+00	2,01E+00	1,98E+00	1,59E+00	2,01E+00	1,94E+00	1,97E+00	1,60E+00
13	2,26E+00	2,11E+00	2,03E+00	1,61E+00	2,15E+00	2,03E+00	2,02E+00	1,62E+00
14	2,40E+00	2,21E+00	2,08E+00	1,63E+00	2,28E+00	2,13E+00	2,07E+00	1,65E+00
15	2,54E+00	2,31E+00	2,13E+00	1,66E+00	2,42E+00	2,23E+00	2,12E+00	1,67E+00
20	3,22E+00	2,80E+00	2,38E+00	1,77E+00	3,08E+00	2,70E+00	2,38E+00	1,80E+00
30	4,51E+00	3,72E+00	2,84E+00	1,98E+00	4,34E+00	3,60E+00	2,86E+00	2,03E+00
40	5,71E+00	4,59E+00	3,28E+00	2,17E+00	5,52E+00	4,44E+00	3,31E+00	2,25E+00
45	6,28E+00	5,00E+00	3,49E+00	2,27E+00	6,09E+00	4,85E+00	3,53E+00	2,36E+00
50	6,84E+00	5,40E+00	3,69E+00	2,36E+00	6,64E+00	5,24E+00	3,74E+00	2,46E+00
60	7,90E+00	6,16E+00	4,07E+00	2,53E+00	7,70E+00	6,00E+00	4,14E+00	2,66E+00
70	8,89E+00	6,87E+00	4,43E+00	2,69E+00	8,70E+00	6,72E+00	4,53E+00	2,84E+00
80	9,82E+00	7,54E+00	4,77E+00	2,85E+00	9,65E+00	7,39E+00	4,89E+00	3,02E+00
90	1,07E+01	8,17E+00	5,08E+00	2,99E+00	1,06E+01	8,03E+00	5,23E+00	3,19E+00
100	1,15E+01	8,76E+00	5,38E+00	3,12E+00	1,14E+01	8,64E+00	5,56E+00	3,35E+00
120	1,30E+01	9,84E+00	5,92E+00	3,37E+00	1,30E+01	9,76E+00	6,16E+00	3,64E+00
180	1,66E+01	1,24E+01	7,21E+00	3,95E+00	1,68E+01	1,25E+01	7,63E+00	4,36E+00
200	1,75E+01	1,30E+01	7,54E+00	4,10E+00	1,78E+01	1,32E+01	8,03E+00	4,56E+00
300	2,08E+01	1,54E+01	8,74E+00	4,64E+00	2,17E+01	1,60E+01	9,51E+00	5,29E+00
360	2,20E+01	1,63E+01	9,20E+00	4,85E+00	2,32E+01	1,71E+01	1,01E+01	5,59E+00
365	2,21E+01	1,64E+01	9,23E+00	4,87E+00	2,33E+01	1,72E+01	1,02E+01	5,61E+00
400	2,27E+01	1,68E+01	9,43E+00	4,96E+00	2,40E+01	1,77E+01	1,04E+01	5,74E+00
500	2,38E+01	1,76E+01	9,83E+00	5,14E+00	2,55E+01	1,87E+01	1,10E+01	6,02E+00
600	2,45E+01	1,81E+01	1,01E+01	5,25E+00	2,64E+01	1,94E+01	1,14E+01	6,20E+00
700	2,49E+01	1,84E+01	1,02E+01	5,32E+00	2,70E+01	1,98E+01	1,16E+01	6,32E+00
800	2,51E+01	1,85E+01	1,03E+01	5,36E+00	2,74E+01	2,00E+01	1,17E+01	6,39E+00
900	2,53E+01	1,87E+01	1,04E+01	5,39E+00	2,76E+01	2,02E+01	1,18E+01	6,43E+00
1000	2,54E+01	1,87E+01	1,04E+01	5,40E+00	2,77E+01	2,03E+01	1,19E+01	6,46E+00
2000	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
3000	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
4000	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
5000	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
6000	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
8000	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
10000	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
13500	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
14600	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
18250	2,55E+01	1,89E+01	1,05E+01	5,43E+00	2,80E+01	2,05E+01	1,20E+01	6,52E+00
Eff. Dosis	1,4E-08	1,0E-08	6,1E-09	3,3E-09	9,3E-09	6,8E-09	4,2E-09	2,4E-09
Gebärmutter	5,3E-10	6,5E-10	8,4E-10	7,4E-10	1,7E-09	1,5E-09	1,3E-09	9,8E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Hf-181								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,77E-01	4,57E-01	7,15E-01	6,71E-01	2,79E-01	4,57E-01	7,13E-01	6,68E-01
2	5,17E-01	8,04E-01	1,22E+00	1,14E+00	5,14E-01	7,81E-01	1,17E+00	1,09E+00
3	7,25E-01	1,06E+00	1,55E+00	1,42E+00	7,07E-01	9,81E-01	1,40E+00	1,28E+00
3,5	8,22E-01	1,16E+00	1,67E+00	1,53E+00	7,93E-01	1,06E+00	1,46E+00	1,33E+00
4	9,16E-01	1,26E+00	1,78E+00	1,62E+00	8,76E-01	1,12E+00	1,51E+00	1,36E+00
5	1,10E+00	1,44E+00	1,98E+00	1,79E+00	1,03E+00	1,24E+00	1,58E+00	1,40E+00
6	1,28E+00	1,62E+00	2,17E+00	1,94E+00	1,19E+00	1,35E+00	1,64E+00	1,43E+00
7	1,45E+00	1,79E+00	2,35E+00	2,09E+00	1,33E+00	1,45E+00	1,70E+00	1,46E+00
8	1,62E+00	1,96E+00	2,53E+00	2,24E+00	1,47E+00	1,55E+00	1,75E+00	1,49E+00
9	1,78E+00	2,12E+00	2,71E+00	2,38E+00	1,61E+00	1,65E+00	1,81E+00	1,51E+00
10	1,94E+00	2,28E+00	2,88E+00	2,52E+00	1,75E+00	1,75E+00	1,86E+00	1,54E+00
11	2,10E+00	2,44E+00	3,05E+00	2,66E+00	1,88E+00	1,84E+00	1,91E+00	1,56E+00
12	2,25E+00	2,59E+00	3,21E+00	2,79E+00	2,01E+00	1,93E+00	1,96E+00	1,59E+00
13	2,41E+00	2,74E+00	3,37E+00	2,93E+00	2,13E+00	2,02E+00	2,01E+00	1,61E+00
14	2,55E+00	2,89E+00	3,53E+00	3,06E+00	2,25E+00	2,11E+00	2,05E+00	1,63E+00
15	2,70E+00	3,04E+00	3,69E+00	3,18E+00	2,37E+00	2,20E+00	2,10E+00	1,66E+00
20	3,39E+00	3,72E+00	4,41E+00	3,78E+00	2,94E+00	2,60E+00	2,32E+00	1,76E+00
30	4,58E+00	4,91E+00	5,68E+00	4,82E+00	3,91E+00	3,31E+00	2,70E+00	1,95E+00
40	5,58E+00	5,91E+00	6,75E+00	5,69E+00	4,72E+00	3,89E+00	3,01E+00	2,10E+00
45	6,02E+00	6,34E+00	7,22E+00	6,07E+00	5,07E+00	4,15E+00	3,15E+00	2,17E+00
50	6,43E+00	6,75E+00	7,65E+00	6,43E+00	5,39E+00	4,38E+00	3,27E+00	2,23E+00
60	7,15E+00	7,46E+00	8,41E+00	7,05E+00	5,96E+00	4,79E+00	3,49E+00	2,34E+00
70	7,75E+00	8,06E+00	9,06E+00	7,58E+00	6,43E+00	5,13E+00	3,67E+00	2,43E+00
80	8,27E+00	8,57E+00	9,60E+00	8,02E+00	6,82E+00	5,41E+00	3,83E+00	2,50E+00
90	8,70E+00	9,01E+00	1,01E+01	8,40E+00	7,15E+00	5,65E+00	3,95E+00	2,57E+00
100	9,07E+00	9,38E+00	1,05E+01	8,73E+00	7,42E+00	5,85E+00	4,06E+00	2,62E+00
120	9,65E+00	9,95E+00	1,11E+01	9,23E+00	7,85E+00	6,15E+00	4,23E+00	2,70E+00
180	1,06E+01	1,09E+01	1,21E+01	1,00E+01	8,51E+00	6,63E+00	4,48E+00	2,83E+00
200	1,07E+01	1,10E+01	1,22E+01	1,02E+01	8,61E+00	6,71E+00	4,53E+00	2,85E+00
300	1,11E+01	1,14E+01	1,26E+01	1,05E+01	8,83E+00	6,86E+00	4,61E+00	2,89E+00
360	1,11E+01	1,14E+01	1,26E+01	1,05E+01	8,86E+00	6,89E+00	4,62E+00	2,90E+00
365	1,11E+01	1,14E+01	1,26E+01	1,05E+01	8,86E+00	6,89E+00	4,62E+00	2,90E+00
400	1,11E+01	1,14E+01	1,26E+01	1,05E+01	8,87E+00	6,89E+00	4,63E+00	2,90E+00
500	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,87E+00	6,90E+00	4,63E+00	2,90E+00
600	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
700	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
800	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
900	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
1000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
2000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
3000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
4000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
5000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
6000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
8000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
10000	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
13500	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
14600	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
18250	1,11E+01	1,14E+01	1,27E+01	1,05E+01	8,88E+00	6,90E+00	4,63E+00	2,90E+00
Eff. Dosis	1,0E-09	1,1E-09	1,2E-09	1,0E-09	2,8E-09	2,0E-09	1,3E-09	7,9E-10
Gebärmutter	5,1E-10	6,0E-10	7,6E-10	6,7E-10	2,2E-10	3,0E-10	4,1E-10	3,7E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Hf-181						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,79E-01	4,57E-01	7,13E-01	6,68E-01	9,34E-01	9,76E-01
2	5,15E-01	7,81E-01	1,17E+00	1,09E+00	1,46E+00	1,92E+00
3	7,07E-01	9,80E-01	1,39E+00	1,27E+00	1,63E+00	2,85E+00
3,5	7,94E-01	1,05E+00	1,46E+00	1,32E+00	1,66E+00	3,30E+00
4	8,76E-01	1,12E+00	1,50E+00	1,35E+00	1,68E+00	3,75E+00
5	1,03E+00	1,23E+00	1,57E+00	1,39E+00	1,69E+00	4,62E+00
6	1,18E+00	1,34E+00	1,63E+00	1,42E+00	1,69E+00	5,48E+00
7	1,33E+00	1,44E+00	1,68E+00	1,44E+00	1,69E+00	6,32E+00
8	1,47E+00	1,54E+00	1,73E+00	1,46E+00	1,69E+00	7,14E+00
9	1,60E+00	1,64E+00	1,78E+00	1,49E+00	1,70E+00	7,94E+00
10	1,74E+00	1,73E+00	1,83E+00	1,51E+00	1,70E+00	8,72E+00
11	1,87E+00	1,82E+00	1,87E+00	1,53E+00	1,70E+00	9,49E+00
12	1,99E+00	1,91E+00	1,92E+00	1,55E+00	1,70E+00	1,02E+01
13	2,11E+00	2,00E+00	1,96E+00	1,57E+00	1,70E+00	1,10E+01
14	2,23E+00	2,09E+00	2,01E+00	1,59E+00	1,70E+00	1,17E+01
15	2,35E+00	2,17E+00	2,05E+00	1,61E+00	1,71E+00	1,24E+01
20	2,90E+00	2,57E+00	2,25E+00	1,70E+00	1,71E+00	1,57E+01
30	3,86E+00	3,25E+00	2,60E+00	1,86E+00	1,72E+00	2,15E+01
40	4,66E+00	3,83E+00	2,89E+00	1,99E+00	1,73E+00	2,64E+01
45	5,00E+00	4,07E+00	3,01E+00	2,05E+00	1,74E+00	2,86E+01
50	5,32E+00	4,30E+00	3,13E+00	2,10E+00	1,74E+00	3,05E+01
60	5,87E+00	4,70E+00	3,33E+00	2,19E+00	1,75E+00	3,40E+01
70	6,33E+00	5,03E+00	3,49E+00	2,26E+00	1,75E+00	3,70E+01
80	6,71E+00	5,30E+00	3,63E+00	2,33E+00	1,76E+00	3,95E+01
90	7,03E+00	5,53E+00	3,75E+00	2,38E+00	1,76E+00	4,16E+01
100	7,30E+00	5,73E+00	3,85E+00	2,42E+00	1,77E+00	4,34E+01
120	7,70E+00	6,02E+00	3,99E+00	2,49E+00	1,77E+00	4,62E+01
180	8,32E+00	6,46E+00	4,22E+00	2,59E+00	1,78E+00	5,07E+01
200	8,42E+00	6,53E+00	4,25E+00	2,61E+00	1,78E+00	5,15E+01
300	8,60E+00	6,67E+00	4,32E+00	2,64E+00	1,79E+00	5,30E+01
360	8,63E+00	6,68E+00	4,33E+00	2,65E+00	1,79E+00	5,33E+01
365	8,63E+00	6,68E+00	4,33E+00	2,65E+00	1,79E+00	5,33E+01
400	8,64E+00	6,69E+00	4,33E+00	2,65E+00	1,79E+00	5,33E+01
500	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
600	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
700	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
800	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
900	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
1000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
2000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
3000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
4000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
5000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
6000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
8000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
10000	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
13500	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
14600	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
18250	8,64E+00	6,69E+00	4,34E+00	2,65E+00	1,79E+00	5,34E+01
Eff. Dosis	3,7E-09	2,7E-09	1,7E-09	9,7E-10	2,5E-10	4,9E-09
Gebärmutter	9,3E-11	2,0E-10	3,6E-10	3,5E-10	5,6E-10	2,3E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ta-182

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,60E-01	4,42E-01	7,02E-01	6,61E-01	2,78E-01	4,57E-01	7,15E-01	6,71E-01
2	4,65E-01	7,57E-01	1,18E+00	1,10E+00	5,11E-01	7,82E-01	1,18E+00	1,10E+00
3	6,25E-01	9,61E-01	1,45E+00	1,35E+00	6,99E-01	9,80E-01	1,41E+00	1,29E+00
3,5	6,93E-01	1,04E+00	1,55E+00	1,43E+00	7,83E-01	1,05E+00	1,47E+00	1,34E+00
4	7,57E-01	1,11E+00	1,63E+00	1,50E+00	8,63E-01	1,12E+00	1,51E+00	1,37E+00
5	8,73E-01	1,23E+00	1,76E+00	1,61E+00	1,02E+00	1,23E+00	1,58E+00	1,41E+00
6	9,79E-01	1,33E+00	1,88E+00	1,71E+00	1,16E+00	1,33E+00	1,64E+00	1,44E+00
7	1,08E+00	1,43E+00	1,98E+00	1,79E+00	1,30E+00	1,43E+00	1,69E+00	1,46E+00
8	1,17E+00	1,52E+00	2,08E+00	1,87E+00	1,44E+00	1,53E+00	1,75E+00	1,49E+00
9	1,26E+00	1,61E+00	2,17E+00	1,95E+00	1,57E+00	1,62E+00	1,79E+00	1,51E+00
10	1,34E+00	1,69E+00	2,26E+00	2,02E+00	1,70E+00	1,71E+00	1,84E+00	1,53E+00
11	1,42E+00	1,77E+00	2,35E+00	2,09E+00	1,83E+00	1,81E+00	1,89E+00	1,56E+00
12	1,50E+00	1,85E+00	2,43E+00	2,16E+00	1,95E+00	1,89E+00	1,94E+00	1,58E+00
13	1,57E+00	1,92E+00	2,51E+00	2,22E+00	2,07E+00	1,98E+00	1,98E+00	1,60E+00
14	1,64E+00	1,99E+00	2,58E+00	2,29E+00	2,19E+00	2,07E+00	2,03E+00	1,62E+00
15	1,71E+00	2,06E+00	2,66E+00	2,35E+00	2,31E+00	2,15E+00	2,07E+00	1,64E+00
20	2,05E+00	2,40E+00	3,02E+00	2,64E+00	2,88E+00	2,56E+00	2,28E+00	1,74E+00
30	2,66E+00	3,01E+00	3,67E+00	3,17E+00	3,91E+00	3,31E+00	2,67E+00	1,92E+00
40	3,22E+00	3,57E+00	4,26E+00	3,66E+00	4,84E+00	3,98E+00	3,02E+00	2,09E+00
45	3,49E+00	3,83E+00	4,54E+00	3,89E+00	5,27E+00	4,29E+00	3,18E+00	2,16E+00
50	3,74E+00	4,08E+00	4,81E+00	4,11E+00	5,68E+00	4,58E+00	3,33E+00	2,23E+00
60	4,21E+00	4,55E+00	5,31E+00	4,52E+00	6,43E+00	5,12E+00	3,61E+00	2,37E+00
70	4,65E+00	4,98E+00	5,77E+00	4,90E+00	7,10E+00	5,61E+00	3,87E+00	2,49E+00
80	5,05E+00	5,38E+00	6,20E+00	5,24E+00	7,71E+00	6,04E+00	4,09E+00	2,59E+00
90	5,42E+00	5,75E+00	6,59E+00	5,57E+00	8,26E+00	6,44E+00	4,30E+00	2,69E+00
100	5,76E+00	6,09E+00	6,96E+00	5,86E+00	8,75E+00	6,80E+00	4,48E+00	2,78E+00
120	6,37E+00	6,70E+00	7,60E+00	6,39E+00	9,60E+00	7,41E+00	4,80E+00	2,93E+00
180	7,72E+00	8,03E+00	9,03E+00	7,56E+00	1,13E+01	8,66E+00	5,46E+00	3,24E+00
200	8,05E+00	8,36E+00	9,38E+00	7,85E+00	1,17E+01	8,94E+00	5,61E+00	3,31E+00
300	9,13E+00	9,44E+00	1,05E+01	8,79E+00	1,29E+01	9,77E+00	6,05E+00	3,52E+00
360	9,50E+00	9,80E+00	1,09E+01	9,11E+00	1,32E+01	1,00E+01	6,18E+00	3,59E+00
365	9,52E+00	9,83E+00	1,10E+01	9,13E+00	1,32E+01	1,00E+01	6,18E+00	3,59E+00
400	9,67E+00	9,97E+00	1,11E+01	9,25E+00	1,34E+01	1,01E+01	6,23E+00	3,62E+00
500	9,94E+00	1,02E+01	1,14E+01	9,49E+00	1,36E+01	1,03E+01	6,32E+00	3,66E+00
600	1,01E+01	1,04E+01	1,15E+01	9,61E+00	1,37E+01	1,04E+01	6,36E+00	3,68E+00
700	1,02E+01	1,05E+01	1,16E+01	9,67E+00	1,37E+01	1,04E+01	6,38E+00	3,69E+00
800	1,02E+01	1,05E+01	1,17E+01	9,71E+00	1,38E+01	1,04E+01	6,39E+00	3,69E+00
900	1,02E+01	1,05E+01	1,17E+01	9,73E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
1000	1,02E+01	1,05E+01	1,17E+01	9,73E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
2000	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
3000	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
4000	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
5000	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
6000	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
8000	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
10000	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
13500	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
14600	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
18250	1,02E+01	1,05E+01	1,17E+01	9,75E+00	1,38E+01	1,04E+01	6,40E+00	3,70E+00
Eff. Dosis	1,9E-09	1,9E-09	2,2E-09	1,8E-09	6,1E-09	4,5E-09	2,8E-09	1,6E-09
Gebärmutter	9,1E-10	1,1E-09	1,4E-09	1,3E-09	5,5E-10	6,9E-10	9,1E-10	8,2E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ta-182

Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,59E-01	7,16E-01	6,71E-01	9,38E-01	8,84E-01
2	5,19E-01	7,88E-01	1,18E+00	1,10E+00	1,47E+00	1,65E+00
3	7,17E-01	9,91E-01	1,41E+00	1,29E+00	1,65E+00	2,33E+00
3,5	8,06E-01	1,07E+00	1,47E+00	1,34E+00	1,68E+00	2,65E+00
4	8,91E-01	1,13E+00	1,52E+00	1,37E+00	1,69E+00	2,95E+00
5	1,06E+00	1,25E+00	1,59E+00	1,41E+00	1,70E+00	3,50E+00
6	1,21E+00	1,36E+00	1,65E+00	1,44E+00	1,71E+00	4,01E+00
7	1,37E+00	1,47E+00	1,71E+00	1,46E+00	1,71E+00	4,49E+00
8	1,52E+00	1,58E+00	1,76E+00	1,49E+00	1,71E+00	4,93E+00
9	1,66E+00	1,68E+00	1,82E+00	1,51E+00	1,71E+00	5,35E+00
10	1,81E+00	1,79E+00	1,87E+00	1,54E+00	1,71E+00	5,75E+00
11	1,95E+00	1,89E+00	1,92E+00	1,56E+00	1,71E+00	6,14E+00
12	2,09E+00	1,99E+00	1,97E+00	1,58E+00	1,71E+00	6,51E+00
13	2,23E+00	2,09E+00	2,02E+00	1,60E+00	1,71E+00	6,87E+00
14	2,37E+00	2,19E+00	2,07E+00	1,63E+00	1,71E+00	7,22E+00
15	2,50E+00	2,28E+00	2,12E+00	1,65E+00	1,71E+00	7,57E+00
20	3,16E+00	2,75E+00	2,36E+00	1,76E+00	1,71E+00	9,20E+00
30	4,39E+00	3,64E+00	2,80E+00	1,96E+00	1,71E+00	1,22E+01
40	5,52E+00	4,45E+00	3,21E+00	2,14E+00	1,72E+00	1,49E+01
45	6,05E+00	4,83E+00	3,40E+00	2,23E+00	1,72E+00	1,62E+01
50	6,56E+00	5,20E+00	3,59E+00	2,31E+00	1,72E+00	1,74E+01
60	7,52E+00	5,89E+00	3,94E+00	2,47E+00	1,72E+00	1,97E+01
70	8,41E+00	6,53E+00	4,26E+00	2,62E+00	1,72E+00	2,18E+01
80	9,23E+00	7,12E+00	4,55E+00	2,75E+00	1,73E+00	2,38E+01
90	9,98E+00	7,66E+00	4,83E+00	2,87E+00	1,73E+00	2,56E+01
100	1,07E+01	8,16E+00	5,08E+00	2,99E+00	1,73E+00	2,73E+01
120	1,19E+01	9,05E+00	5,53E+00	3,19E+00	1,73E+00	3,02E+01
180	1,47E+01	1,10E+01	6,52E+00	3,64E+00	1,74E+00	3,68E+01
200	1,53E+01	1,15E+01	6,76E+00	3,75E+00	1,74E+00	3,84E+01
300	1,75E+01	1,30E+01	7,54E+00	4,10E+00	1,75E+00	4,37E+01
360	1,82E+01	1,35E+01	7,79E+00	4,22E+00	1,75E+00	4,54E+01
365	1,82E+01	1,36E+01	7,81E+00	4,23E+00	1,75E+00	4,55E+01
400	1,85E+01	1,38E+01	7,91E+00	4,27E+00	1,75E+00	4,63E+01
500	1,90E+01	1,41E+01	8,09E+00	4,35E+00	1,75E+00	4,76E+01
600	1,92E+01	1,43E+01	8,18E+00	4,39E+00	1,75E+00	4,83E+01
700	1,93E+01	1,44E+01	8,22E+00	4,41E+00	1,75E+00	4,86E+01
800	1,94E+01	1,44E+01	8,24E+00	4,42E+00	1,75E+00	4,88E+01
900	1,94E+01	1,44E+01	8,26E+00	4,43E+00	1,75E+00	4,89E+01
1000	1,94E+01	1,45E+01	8,26E+00	4,43E+00	1,75E+00	4,90E+01
2000	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
3000	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
4000	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
5000	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
6000	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
8000	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
10000	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
13500	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
14600	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
18250	1,95E+01	1,45E+01	8,27E+00	4,44E+00	1,75E+00	4,90E+01
Eff. Dosis	1,0E-08	7,5E-09	4,4E-09	2,4E-09	5,0E-10	8,8E-09
Gebärmutter	2,99E-10	5,1E-10	8,1E-10	7,6E-10	1,2E-09	4,0E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Re-186								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,23E-02	2,11E-02	3,38E-02	3,19E-02	1,23E-02	2,11E-02	3,38E-02	3,19E-02
0,08333	2,43E-02	4,18E-02	6,68E-02	6,30E-02	2,44E-02	4,19E-02	6,68E-02	6,30E-02
0,125	3,61E-02	6,20E-02	9,90E-02	9,33E-02	3,63E-02	6,22E-02	9,92E-02	9,35E-02
0,1667	4,76E-02	8,17E-02	1,30E-01	1,23E-01	4,81E-02	8,22E-02	1,31E-01	1,23E-01
0,2083	5,89E-02	1,01E-01	1,61E-01	1,52E-01	5,97E-02	1,02E-01	1,62E-01	1,53E-01
0,25	6,98E-02	1,20E-01	1,91E-01	1,80E-01	7,12E-02	1,21E-01	1,93E-01	1,82E-01
0,2917	8,05E-02	1,38E-01	2,20E-01	2,07E-01	8,26E-02	1,40E-01	2,23E-01	2,10E-01
0,3333	9,10E-02	1,56E-01	2,48E-01	2,34E-01	9,38E-02	1,59E-01	2,52E-01	2,37E-01
0,375	1,01E-01	1,73E-01	2,76E-01	2,60E-01	1,05E-01	1,77E-01	2,81E-01	2,64E-01
0,4167	1,11E-01	1,90E-01	3,03E-01	2,85E-01	1,16E-01	1,95E-01	3,09E-01	2,91E-01
0,4583	1,21E-01	2,06E-01	3,29E-01	3,10E-01	1,26E-01	2,13E-01	3,37E-01	3,17E-01
0,5	1,30E-01	2,23E-01	3,55E-01	3,34E-01	1,37E-01	2,31E-01	3,65E-01	3,43E-01
0,5417	1,40E-01	2,38E-01	3,80E-01	3,58E-01	1,48E-01	2,48E-01	3,91E-01	3,68E-01
0,5833	1,49E-01	2,54E-01	4,04E-01	3,81E-01	1,58E-01	2,65E-01	4,18E-01	3,93E-01
0,625	1,58E-01	2,69E-01	4,28E-01	4,03E-01	1,68E-01	2,81E-01	4,43E-01	4,17E-01
0,6667	1,67E-01	2,84E-01	4,51E-01	4,25E-01	1,78E-01	2,98E-01	4,69E-01	4,41E-01
0,7083	1,75E-01	2,98E-01	4,74E-01	4,47E-01	1,88E-01	3,14E-01	4,94E-01	4,64E-01
0,75	1,84E-01	3,12E-01	4,97E-01	4,68E-01	1,98E-01	3,29E-01	5,18E-01	4,86E-01
0,7917	1,92E-01	3,26E-01	5,19E-01	4,88E-01	2,07E-01	3,45E-01	5,42E-01	5,09E-01
0,8333	2,00E-01	3,40E-01	5,40E-01	5,09E-01	2,17E-01	3,60E-01	5,65E-01	5,30E-01
0,875	2,08E-01	3,53E-01	5,61E-01	5,28E-01	2,26E-01	3,75E-01	5,88E-01	5,52E-01
0,9167	2,16E-01	3,66E-01	5,82E-01	5,48E-01	2,36E-01	3,89E-01	6,10E-01	5,72E-01
0,9583	2,24E-01	3,79E-01	6,02E-01	5,67E-01	2,45E-01	4,03E-01	6,31E-01	5,92E-01
1	2,31E-01	3,92E-01	6,22E-01	5,85E-01	2,54E-01	4,17E-01	6,53E-01	6,12E-01
1,083	2,46E-01	4,16E-01	6,60E-01	6,21E-01	2,71E-01	4,44E-01	6,93E-01	6,50E-01
1,167	2,60E-01	4,40E-01	6,97E-01	6,56E-01	2,88E-01	4,70E-01	7,32E-01	6,86E-01
1,25	2,74E-01	4,62E-01	7,33E-01	6,89E-01	3,04E-01	4,94E-01	7,68E-01	7,20E-01
1,333	2,87E-01	4,84E-01	7,67E-01	7,21E-01	3,20E-01	5,18E-01	8,03E-01	7,51E-01
1,417	3,00E-01	5,05E-01	7,99E-01	7,52E-01	3,36E-01	5,40E-01	8,35E-01	7,81E-01
1,5	3,12E-01	5,25E-01	8,31E-01	7,82E-01	3,51E-01	5,61E-01	8,66E-01	8,10E-01
1,667	3,35E-01	5,63E-01	8,90E-01	8,37E-01	3,79E-01	6,00E-01	9,22E-01	8,61E-01
1,833	3,56E-01	5,98E-01	9,45E-01	8,88E-01	4,05E-01	6,35E-01	9,71E-01	9,05E-01
2	3,75E-01	6,30E-01	9,95E-01	9,35E-01	4,30E-01	6,67E-01	1,01E+00	9,43E-01
3	4,62E-01	7,72E-01	1,22E+00	1,14E+00	5,49E-01	8,00E-01	1,17E+00	1,08E+00
4	5,12E-01	8,53E-01	1,34E+00	1,26E+00	6,35E-01	8,78E-01	1,25E+00	1,14E+00
5	5,42E-01	9,02E-01	1,42E+00	1,33E+00	6,99E-01	9,30E-01	1,29E+00	1,17E+00
6	5,60E-01	9,31E-01	1,47E+00	1,38E+00	7,50E-01	9,70E-01	1,32E+00	1,19E+00
7	5,72E-01	9,51E-01	1,49E+00	1,40E+00	7,90E-01	1,00E+00	1,34E+00	1,20E+00
8	5,80E-01	9,63E-01	1,51E+00	1,42E+00	8,23E-01	1,03E+00	1,35E+00	1,21E+00
9	5,86E-01	9,72E-01	1,53E+00	1,43E+00	8,49E-01	1,04E+00	1,36E+00	1,21E+00
10	5,90E-01	9,78E-01	1,54E+00	1,44E+00	8,70E-01	1,06E+00	1,37E+00	1,22E+00
11	5,92E-01	9,82E-01	1,54E+00	1,45E+00	8,87E-01	1,07E+00	1,38E+00	1,22E+00
12	5,94E-01	9,85E-01	1,55E+00	1,45E+00	9,01E-01	1,08E+00	1,39E+00	1,23E+00
13	5,95E-01	9,87E-01	1,55E+00	1,46E+00	9,13E-01	1,09E+00	1,39E+00	1,23E+00
14	5,96E-01	9,89E-01	1,55E+00	1,46E+00	9,22E-01	1,10E+00	1,39E+00	1,23E+00
15	5,97E-01	9,90E-01	1,56E+00	1,46E+00	9,30E-01	1,10E+00	1,40E+00	1,23E+00
16	5,98E-01	9,91E-01	1,56E+00	1,46E+00	9,36E-01	1,11E+00	1,40E+00	1,23E+00
17	5,98E-01	9,92E-01	1,56E+00	1,46E+00	9,42E-01	1,11E+00	1,40E+00	1,24E+00
18	5,99E-01	9,92E-01	1,56E+00	1,46E+00	9,46E-01	1,12E+00	1,40E+00	1,24E+00
Eff. Dosis	1,6E-10	2,6E-10	3,9E-10	3,7E-10	5,2E-10	4,1E-10	3,7E-10	2,7E-10
Gebärmutter	2,8E-11	4,3E-11	6,6E-11	6,1E-11	1,0E-11	2,2E-11	3,8E-11	3,7E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Re-186						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,23E-02	2,11E-02	3,38E-02	3,19E-02	4,15E-02	4,14E-02
0,08333	2,44E-02	4,19E-02	6,68E-02	6,30E-02	8,26E-02	8,20E-02
0,125	3,63E-02	6,22E-02	9,92E-02	9,36E-02	1,23E-01	1,22E-01
0,1667	4,81E-02	8,22E-02	1,31E-01	1,24E-01	1,63E-01	1,61E-01
0,2083	5,98E-02	1,02E-01	1,62E-01	1,53E-01	2,02E-01	1,98E-01
0,25	7,13E-02	1,21E-01	1,93E-01	1,82E-01	2,40E-01	2,35E-01
0,2917	8,27E-02	1,40E-01	2,23E-01	2,10E-01	2,77E-01	2,71E-01
0,3333	9,39E-02	1,59E-01	2,52E-01	2,38E-01	3,13E-01	3,06E-01
0,375	1,05E-01	1,78E-01	2,81E-01	2,65E-01	3,49E-01	3,41E-01
0,4167	1,16E-01	1,96E-01	3,10E-01	2,92E-01	3,84E-01	3,75E-01
0,4583	1,27E-01	2,14E-01	3,38E-01	3,18E-01	4,18E-01	4,08E-01
0,5	1,38E-01	2,31E-01	3,66E-01	3,44E-01	4,51E-01	4,40E-01
0,5417	1,48E-01	2,49E-01	3,93E-01	3,69E-01	4,84E-01	4,72E-01
0,5833	1,59E-01	2,66E-01	4,19E-01	3,94E-01	5,16E-01	5,03E-01
0,625	1,69E-01	2,83E-01	4,46E-01	4,19E-01	5,47E-01	5,33E-01
0,6667	1,79E-01	2,99E-01	4,71E-01	4,43E-01	5,78E-01	5,63E-01
0,7083	1,90E-01	3,15E-01	4,96E-01	4,66E-01	6,08E-01	5,93E-01
0,75	2,00E-01	3,31E-01	5,21E-01	4,89E-01	6,38E-01	6,22E-01
0,7917	2,09E-01	3,47E-01	5,45E-01	5,12E-01	6,67E-01	6,51E-01
0,8333	2,19E-01	3,63E-01	5,69E-01	5,34E-01	6,95E-01	6,79E-01
0,875	2,29E-01	3,78E-01	5,92E-01	5,55E-01	7,23E-01	7,06E-01
0,9167	2,38E-01	3,92E-01	6,14E-01	5,76E-01	7,51E-01	7,33E-01
0,9583	2,48E-01	4,07E-01	6,36E-01	5,97E-01	7,78E-01	7,60E-01
1	2,57E-01	4,21E-01	6,58E-01	6,17E-01	8,04E-01	7,86E-01
1,083	2,75E-01	4,49E-01	6,99E-01	6,55E-01	8,56E-01	8,38E-01
1,167	2,92E-01	4,75E-01	7,38E-01	6,91E-01	9,05E-01	8,87E-01
1,25	3,09E-01	5,00E-01	7,75E-01	7,25E-01	9,53E-01	9,35E-01
1,333	3,26E-01	5,24E-01	8,10E-01	7,58E-01	9,99E-01	9,81E-01
1,417	3,42E-01	5,46E-01	8,43E-01	7,88E-01	1,04E+00	1,03E+00
1,5	3,57E-01	5,68E-01	8,73E-01	8,16E-01	1,09E+00	1,07E+00
1,667	3,86E-01	6,07E-01	9,28E-01	8,66E-01	1,16E+00	1,15E+00
1,833	4,14E-01	6,42E-01	9,76E-01	9,09E-01	1,24E+00	1,22E+00
2	4,40E-01	6,74E-01	1,02E+00	9,46E-01	1,30E+00	1,29E+00
3	5,66E-01	8,05E-01	1,16E+00	1,07E+00	1,59E+00	1,60E+00
4	6,59E-01	8,81E-01	1,22E+00	1,11E+00	1,76E+00	1,77E+00
5	7,31E-01	9,34E-01	1,26E+00	1,13E+00	1,85E+00	1,88E+00
6	7,90E-01	9,76E-01	1,28E+00	1,14E+00	1,91E+00	1,94E+00
7	8,37E-01	1,01E+00	1,30E+00	1,15E+00	1,95E+00	1,99E+00
8	8,76E-01	1,04E+00	1,31E+00	1,16E+00	1,98E+00	2,02E+00
9	9,08E-01	1,06E+00	1,32E+00	1,16E+00	2,00E+00	2,04E+00
10	9,34E-01	1,08E+00	1,33E+00	1,17E+00	2,01E+00	2,05E+00
11	9,55E-01	1,09E+00	1,34E+00	1,17E+00	2,02E+00	2,06E+00
12	9,73E-01	1,11E+00	1,35E+00	1,17E+00	2,03E+00	2,07E+00
13	9,87E-01	1,12E+00	1,35E+00	1,18E+00	2,03E+00	2,07E+00
14	9,99E-01	1,13E+00	1,36E+00	1,18E+00	2,03E+00	2,07E+00
15	1,01E+00	1,13E+00	1,36E+00	1,18E+00	2,04E+00	2,08E+00
16	1,02E+00	1,14E+00	1,36E+00	1,18E+00	2,04E+00	2,08E+00
17	1,02E+00	1,14E+00	1,37E+00	1,18E+00	2,04E+00	2,08E+00
18	1,03E+00	1,15E+00	1,37E+00	1,18E+00	2,04E+00	2,08E+00
Eff. Dosis	6,0E-10	4,5E-10	3,6E-10	2,5E-10	5,5E-10	5,5E-10
Gebärmutter	5,99E-12	1,7E-11	3,2E-11	3,1E-11	9,9E-11	1,1E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Re-188								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
0,04167	1,21E-02	2,08E-02	3,32E-02	3,13E-02	1,21E-02	2,08E-02	3,32E-02	3,13E-02
0,08333	2,35E-02	4,05E-02	6,46E-02	6,10E-02	2,36E-02	4,05E-02	6,47E-02	6,10E-02
0,125	3,44E-02	5,91E-02	9,43E-02	8,89E-02	3,46E-02	5,93E-02	9,45E-02	8,91E-02
0,1667	4,47E-02	7,66E-02	1,22E-01	1,15E-01	4,51E-02	7,71E-02	1,23E-01	1,16E-01
0,2083	5,43E-02	9,32E-02	1,49E-01	1,40E-01	5,51E-02	9,40E-02	1,50E-01	1,41E-01
0,25	6,35E-02	1,09E-01	1,73E-01	1,64E-01	6,47E-02	1,10E-01	1,75E-01	1,65E-01
0,2917	7,21E-02	1,24E-01	1,97E-01	1,86E-01	7,38E-02	1,25E-01	1,99E-01	1,88E-01
0,3333	8,03E-02	1,37E-01	2,19E-01	2,06E-01	8,26E-02	1,40E-01	2,22E-01	2,09E-01
0,375	8,80E-02	1,51E-01	2,40E-01	2,26E-01	9,09E-02	1,54E-01	2,44E-01	2,30E-01
0,4167	9,52E-02	1,63E-01	2,60E-01	2,45E-01	9,89E-02	1,67E-01	2,65E-01	2,49E-01
0,4583	1,02E-01	1,75E-01	2,78E-01	2,62E-01	1,07E-01	1,80E-01	2,85E-01	2,68E-01
0,5	1,09E-01	1,86E-01	2,96E-01	2,79E-01	1,14E-01	1,92E-01	3,03E-01	2,85E-01
0,5417	1,15E-01	1,96E-01	3,12E-01	2,94E-01	1,21E-01	2,03E-01	3,21E-01	3,02E-01
0,5833	1,21E-01	2,06E-01	3,28E-01	3,09E-01	1,27E-01	2,14E-01	3,38E-01	3,18E-01
0,625	1,26E-01	2,15E-01	3,43E-01	3,23E-01	1,34E-01	2,24E-01	3,54E-01	3,33E-01
0,6667	1,31E-01	2,24E-01	3,57E-01	3,36E-01	1,40E-01	2,34E-01	3,69E-01	3,47E-01
0,7083	1,36E-01	2,33E-01	3,70E-01	3,49E-01	1,45E-01	2,43E-01	3,83E-01	3,60E-01
0,75	1,41E-01	2,41E-01	3,83E-01	3,60E-01	1,51E-01	2,52E-01	3,97E-01	3,73E-01
0,7917	1,46E-01	2,48E-01	3,94E-01	3,72E-01	1,56E-01	2,60E-01	4,10E-01	3,85E-01
0,8333	1,50E-01	2,55E-01	4,06E-01	3,82E-01	1,61E-01	2,68E-01	4,22E-01	3,96E-01
0,875	1,54E-01	2,62E-01	4,16E-01	3,92E-01	1,66E-01	2,76E-01	4,34E-01	4,07E-01
0,9167	1,58E-01	2,68E-01	4,27E-01	4,02E-01	1,70E-01	2,83E-01	4,44E-01	4,17E-01
0,9583	1,62E-01	2,74E-01	4,36E-01	4,11E-01	1,75E-01	2,90E-01	4,55E-01	4,27E-01
1	1,65E-01	2,80E-01	4,45E-01	4,19E-01	1,79E-01	2,96E-01	4,64E-01	4,36E-01
1,083	1,71E-01	2,91E-01	4,62E-01	4,35E-01	1,86E-01	3,08E-01	4,82E-01	4,53E-01
1,167	1,77E-01	3,01E-01	4,77E-01	4,49E-01	1,93E-01	3,18E-01	4,98E-01	4,67E-01
1,25	1,82E-01	3,09E-01	4,91E-01	4,62E-01	2,00E-01	3,28E-01	5,12E-01	4,80E-01
1,333	1,87E-01	3,17E-01	5,03E-01	4,74E-01	2,05E-01	3,36E-01	5,25E-01	4,92E-01
1,417	1,91E-01	3,24E-01	5,14E-01	4,84E-01	2,11E-01	3,44E-01	5,36E-01	5,02E-01
1,5	1,95E-01	3,30E-01	5,24E-01	4,93E-01	2,15E-01	3,50E-01	5,45E-01	5,11E-01
1,667	2,02E-01	3,41E-01	5,41E-01	5,09E-01	2,23E-01	3,61E-01	5,61E-01	5,25E-01
1,833	2,07E-01	3,50E-01	5,54E-01	5,22E-01	2,30E-01	3,70E-01	5,73E-01	5,36E-01
2	2,12E-01	3,57E-01	5,65E-01	5,32E-01	2,35E-01	3,77E-01	5,83E-01	5,45E-01
3	2,24E-01	3,78E-01	5,98E-01	5,63E-01	2,53E-01	3,97E-01	6,07E-01	5,66E-01
4	2,28E-01	3,83E-01	6,06E-01	5,70E-01	2,58E-01	4,02E-01	6,12E-01	5,70E-01
5	2,28E-01	3,85E-01	6,09E-01	5,73E-01	2,60E-01	4,04E-01	6,13E-01	5,70E-01
6	2,29E-01	3,85E-01	6,09E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
7	2,29E-01	3,85E-01	6,09E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
8	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
9	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
10	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
11	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
12	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
13	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
14	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
15	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
16	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
17	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
18	2,29E-01	3,85E-01	6,10E-01	5,73E-01	2,61E-01	4,04E-01	6,13E-01	5,71E-01
Eff. Dosis	1,6E-10	2,5E-10	3,8E-10	3,5E-10	2,7E-10	2,8E-10	3,2E-10	2,7E-10
Gebärmutter	2,4E-11	3,6E-11	5,4E-11	5,0E-11	1,1E-11	2,9E-11	5,3E-11	5,1E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Re-188						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
0,04167	1,21E-02	2,08E-02	3,32E-02	3,13E-02	4,08E-02	4,07E-02
0,08333	2,36E-02	4,05E-02	6,47E-02	6,10E-02	7,99E-02	7,94E-02
0,125	3,46E-02	5,93E-02	9,45E-02	8,91E-02	1,17E-01	1,16E-01
0,1667	4,51E-02	7,71E-02	1,23E-01	1,16E-01	1,53E-01	1,50E-01
0,2083	5,52E-02	9,41E-02	1,50E-01	1,41E-01	1,86E-01	1,83E-01
0,25	6,48E-02	1,10E-01	1,75E-01	1,65E-01	2,18E-01	2,14E-01
0,2917	7,39E-02	1,26E-01	1,99E-01	1,88E-01	2,48E-01	2,43E-01
0,3333	8,27E-02	1,40E-01	2,23E-01	2,10E-01	2,76E-01	2,70E-01
0,375	9,11E-02	1,54E-01	2,44E-01	2,30E-01	3,03E-01	2,96E-01
0,4167	9,92E-02	1,68E-01	2,65E-01	2,50E-01	3,29E-01	3,21E-01
0,4583	1,07E-01	1,80E-01	2,85E-01	2,68E-01	3,53E-01	3,44E-01
0,5	1,14E-01	1,92E-01	3,04E-01	2,86E-01	3,75E-01	3,66E-01
0,5417	1,21E-01	2,04E-01	3,22E-01	3,03E-01	3,97E-01	3,87E-01
0,5833	1,28E-01	2,15E-01	3,39E-01	3,19E-01	4,17E-01	4,07E-01
0,625	1,34E-01	2,25E-01	3,55E-01	3,34E-01	4,37E-01	4,26E-01
0,6667	1,41E-01	2,35E-01	3,71E-01	3,48E-01	4,55E-01	4,44E-01
0,7083	1,46E-01	2,44E-01	3,85E-01	3,62E-01	4,73E-01	4,61E-01
0,75	1,52E-01	2,53E-01	3,99E-01	3,75E-01	4,90E-01	4,78E-01
0,7917	1,57E-01	2,62E-01	4,12E-01	3,87E-01	5,05E-01	4,93E-01
0,8333	1,62E-01	2,70E-01	4,24E-01	3,99E-01	5,20E-01	5,08E-01
0,875	1,67E-01	2,78E-01	4,36E-01	4,10E-01	5,35E-01	5,22E-01
0,9167	1,72E-01	2,85E-01	4,47E-01	4,20E-01	5,48E-01	5,35E-01
0,9583	1,76E-01	2,92E-01	4,58E-01	4,30E-01	5,61E-01	5,48E-01
1	1,81E-01	2,98E-01	4,68E-01	4,39E-01	5,73E-01	5,60E-01
1,083	1,89E-01	3,10E-01	4,86E-01	4,56E-01	5,96E-01	5,82E-01
1,167	1,96E-01	3,21E-01	5,02E-01	4,70E-01	6,16E-01	6,03E-01
1,25	2,02E-01	3,31E-01	5,16E-01	4,84E-01	6,34E-01	6,21E-01
1,333	2,08E-01	3,39E-01	5,28E-01	4,95E-01	6,51E-01	6,38E-01
1,417	2,13E-01	3,47E-01	5,39E-01	5,05E-01	6,65E-01	6,53E-01
1,5	2,18E-01	3,54E-01	5,49E-01	5,14E-01	6,79E-01	6,66E-01
1,667	2,27E-01	3,65E-01	5,65E-01	5,28E-01	7,01E-01	6,89E-01
1,833	2,34E-01	3,74E-01	5,77E-01	5,39E-01	7,19E-01	7,08E-01
2	2,39E-01	3,81E-01	5,86E-01	5,47E-01	7,34E-01	7,23E-01
3	2,57E-01	4,00E-01	6,08E-01	5,66E-01	7,76E-01	7,67E-01
4	2,64E-01	4,05E-01	6,12E-01	5,69E-01	7,87E-01	7,79E-01
5	2,66E-01	4,07E-01	6,13E-01	5,69E-01	7,90E-01	7,82E-01
6	2,66E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
7	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
8	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
9	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
10	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
11	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
12	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
13	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
14	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
15	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
16	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
17	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
18	2,67E-01	4,07E-01	6,13E-01	5,70E-01	7,91E-01	7,83E-01
Eff. Dosis	2,9E-10	2,8E-10	3,0E-10	2,4E-10	6,3E-10	5,5E-10
Gebärmutter	8,93E-12	2,8E-11	5,3E-11	5,2E-11	9,4E-11	9,6E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ir-192								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,57E-01	4,39E-01	6,99E-01	6,58E-01	2,77E-01	4,56E-01	7,14E-01	6,70E-01
2	4,71E-01	7,62E-01	1,18E+00	1,11E+00	5,10E-01	7,80E-01	1,18E+00	1,09E+00
3	6,48E-01	9,83E-01	1,48E+00	1,37E+00	7,00E-01	9,79E-01	1,40E+00	1,29E+00
3,5	7,28E-01	1,07E+00	1,58E+00	1,46E+00	7,85E-01	1,05E+00	1,47E+00	1,33E+00
4	8,05E-01	1,15E+00	1,68E+00	1,54E+00	8,67E-01	1,12E+00	1,51E+00	1,36E+00
5	9,53E-01	1,31E+00	1,84E+00	1,68E+00	1,02E+00	1,23E+00	1,59E+00	1,41E+00
6	1,10E+00	1,45E+00	2,00E+00	1,81E+00	1,17E+00	1,34E+00	1,65E+00	1,44E+00
7	1,23E+00	1,59E+00	2,15E+00	1,93E+00	1,32E+00	1,44E+00	1,70E+00	1,47E+00
8	1,37E+00	1,72E+00	2,29E+00	2,05E+00	1,46E+00	1,54E+00	1,76E+00	1,49E+00
9	1,50E+00	1,85E+00	2,43E+00	2,16E+00	1,60E+00	1,64E+00	1,81E+00	1,52E+00
10	1,62E+00	1,98E+00	2,57E+00	2,28E+00	1,73E+00	1,74E+00	1,86E+00	1,54E+00
11	1,75E+00	2,10E+00	2,70E+00	2,39E+00	1,86E+00	1,83E+00	1,91E+00	1,57E+00
12	1,87E+00	2,22E+00	2,83E+00	2,49E+00	1,99E+00	1,93E+00	1,96E+00	1,59E+00
13	1,99E+00	2,34E+00	2,96E+00	2,60E+00	2,12E+00	2,02E+00	2,01E+00	1,62E+00
14	2,10E+00	2,46E+00	3,09E+00	2,70E+00	2,24E+00	2,11E+00	2,06E+00	1,64E+00
15	2,22E+00	2,57E+00	3,21E+00	2,80E+00	2,36E+00	2,20E+00	2,11E+00	1,66E+00
20	2,75E+00	3,11E+00	3,79E+00	3,28E+00	2,95E+00	2,62E+00	2,33E+00	1,77E+00
30	3,70E+00	4,05E+00	4,81E+00	4,11E+00	3,99E+00	3,37E+00	2,74E+00	1,97E+00
40	4,50E+00	4,86E+00	5,68E+00	4,83E+00	4,91E+00	4,03E+00	3,09E+00	2,14E+00
45	4,87E+00	5,23E+00	6,07E+00	5,15E+00	5,32E+00	4,33E+00	3,25E+00	2,22E+00
50	5,21E+00	5,57E+00	6,44E+00	5,45E+00	5,70E+00	4,61E+00	3,39E+00	2,29E+00
60	5,82E+00	6,18E+00	7,10E+00	6,00E+00	6,40E+00	5,12E+00	3,66E+00	2,42E+00
70	6,36E+00	6,72E+00	7,68E+00	6,47E+00	7,01E+00	5,56E+00	3,90E+00	2,53E+00
80	6,83E+00	7,19E+00	8,19E+00	6,89E+00	7,55E+00	5,95E+00	4,10E+00	2,63E+00
90	7,25E+00	7,61E+00	8,64E+00	7,26E+00	8,02E+00	6,29E+00	4,28E+00	2,72E+00
100	7,61E+00	7,98E+00	9,03E+00	7,58E+00	8,43E+00	6,58E+00	4,44E+00	2,80E+00
120	8,23E+00	8,59E+00	9,69E+00	8,13E+00	9,11E+00	7,08E+00	4,70E+00	2,92E+00
180	9,37E+00	9,74E+00	1,09E+01	9,14E+00	1,04E+01	7,98E+00	5,18E+00	3,16E+00
200	9,60E+00	9,97E+00	1,12E+01	9,34E+00	1,06E+01	8,15E+00	5,28E+00	3,20E+00
300	1,02E+01	1,06E+01	1,18E+01	9,87E+00	1,12E+01	8,59E+00	5,52E+00	3,32E+00
360	1,03E+01	1,07E+01	1,20E+01	9,99E+00	1,13E+01	8,69E+00	5,57E+00	3,34E+00
365	1,03E+01	1,07E+01	1,20E+01	9,99E+00	1,14E+01	8,70E+00	5,57E+00	3,34E+00
400	1,04E+01	1,07E+01	1,20E+01	1,00E+01	1,14E+01	8,72E+00	5,59E+00	3,35E+00
500	1,04E+01	1,08E+01	1,21E+01	1,01E+01	1,14E+01	8,76E+00	5,61E+00	3,36E+00
600	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,77E+00	5,61E+00	3,37E+00
700	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,61E+00	3,37E+00
800	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
900	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
1000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
2000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
3000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
4000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
5000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
6000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
8000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
10000	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
13500	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
14600	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
18250	1,05E+01	1,08E+01	1,21E+01	1,01E+01	1,15E+01	8,78E+00	5,62E+00	3,37E+00
Eff. Dosis	1,4E-09	1,5E-09	1,7E-09	1,4E-09	4,1E-09	3,0E-09	1,9E-09	1,1E-09
Gebärmutter	1,1E-09	1,2E-09	1,5E-09	1,3E-09	4,9E-10	5,7E-10	7,0E-10	6,1E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ir-192						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,80E-01	4,58E-01	7,15E-01	6,70E-01	9,36E-01	8,73E-01
2	5,18E-01	7,86E-01	1,18E+00	1,09E+00	1,47E+00	1,69E+00
3	7,14E-01	9,87E-01	1,40E+00	1,28E+00	1,65E+00	2,45E+00
3,5	8,02E-01	1,06E+00	1,47E+00	1,33E+00	1,68E+00	2,82E+00
4	8,86E-01	1,13E+00	1,51E+00	1,36E+00	1,70E+00	3,19E+00
5	1,05E+00	1,25E+00	1,58E+00	1,40E+00	1,72E+00	3,89E+00
6	1,20E+00	1,36E+00	1,64E+00	1,43E+00	1,72E+00	4,58E+00
7	1,35E+00	1,46E+00	1,70E+00	1,45E+00	1,73E+00	5,24E+00
8	1,50E+00	1,57E+00	1,75E+00	1,48E+00	1,74E+00	5,89E+00
9	1,65E+00	1,67E+00	1,80E+00	1,50E+00	1,74E+00	6,52E+00
10	1,79E+00	1,77E+00	1,85E+00	1,53E+00	1,75E+00	7,13E+00
11	1,92E+00	1,87E+00	1,90E+00	1,55E+00	1,76E+00	7,73E+00
12	2,06E+00	1,96E+00	1,95E+00	1,57E+00	1,76E+00	8,32E+00
13	2,19E+00	2,06E+00	2,00E+00	1,59E+00	1,77E+00	8,89E+00
14	2,33E+00	2,15E+00	2,05E+00	1,62E+00	1,77E+00	9,46E+00
15	2,45E+00	2,25E+00	2,10E+00	1,64E+00	1,78E+00	1,00E+01
20	3,08E+00	2,69E+00	2,32E+00	1,74E+00	1,81E+00	1,26E+01
30	4,21E+00	3,51E+00	2,73E+00	1,93E+00	1,85E+00	1,72E+01
40	5,22E+00	4,23E+00	3,10E+00	2,09E+00	1,89E+00	2,11E+01
45	5,68E+00	4,57E+00	3,27E+00	2,17E+00	1,91E+00	2,29E+01
50	6,12E+00	4,88E+00	3,43E+00	2,24E+00	1,92E+00	2,45E+01
60	6,92E+00	5,46E+00	3,72E+00	2,37E+00	1,95E+00	2,75E+01
70	7,64E+00	5,97E+00	3,98E+00	2,49E+00	1,98E+00	3,01E+01
80	8,28E+00	6,43E+00	4,21E+00	2,59E+00	2,00E+00	3,24E+01
90	8,85E+00	6,85E+00	4,42E+00	2,69E+00	2,02E+00	3,44E+01
100	9,36E+00	7,21E+00	4,60E+00	2,77E+00	2,04E+00	3,62E+01
120	1,02E+01	7,83E+00	4,92E+00	2,91E+00	2,07E+00	3,91E+01
180	1,19E+01	9,04E+00	5,53E+00	3,19E+00	2,13E+00	4,47E+01
200	1,23E+01	9,30E+00	5,66E+00	3,25E+00	2,14E+00	4,58E+01
300	1,32E+01	9,99E+00	6,01E+00	3,41E+00	2,17E+00	4,87E+01
360	1,35E+01	1,02E+01	6,09E+00	3,45E+00	2,17E+00	4,93E+01
365	1,35E+01	1,02E+01	6,10E+00	3,45E+00	2,17E+00	4,94E+01
400	1,36E+01	1,02E+01	6,12E+00	3,46E+00	2,18E+00	4,96E+01
500	1,37E+01	1,03E+01	6,16E+00	3,48E+00	2,18E+00	4,98E+01
600	1,37E+01	1,03E+01	6,18E+00	3,49E+00	2,18E+00	4,99E+01
700	1,37E+01	1,03E+01	6,18E+00	3,49E+00	2,18E+00	5,00E+01
800	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
900	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
1000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
2000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
3000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
4000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
5000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
6000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
8000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
10000	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
13500	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
14600	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
18250	1,37E+01	1,04E+01	6,19E+00	3,49E+00	2,18E+00	5,00E+01
Eff. Dosis	6,2E-09	4,5E-09	2,7E-09	1,5E-09	4,4E-10	6,7E-09
Gebärmutter	1,66E-10	3,3E-10	5,6E-10	5,4E-10	9,0E-10	4,9E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Hg-197

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,41E-01	4,02E-01	6,33E-01	5,95E-01	2,47E-01	4,07E-01	6,37E-01	5,97E-01
2	4,01E-01	6,41E-01	9,88E-01	9,23E-01	4,11E-01	6,36E-01	9,64E-01	8,97E-01
3	5,05E-01	7,74E-01	1,17E+00	1,08E+00	5,16E-01	7,47E-01	1,09E+00	1,01E+00
3,5	5,44E-01	8,19E-01	1,23E+00	1,13E+00	5,55E-01	7,81E-01	1,12E+00	1,03E+00
4	5,77E-01	8,56E-01	1,27E+00	1,17E+00	5,88E-01	8,07E-01	1,14E+00	1,04E+00
5	6,29E-01	9,13E-01	1,34E+00	1,23E+00	6,40E-01	8,47E-01	1,17E+00	1,06E+00
6	6,67E-01	9,54E-01	1,39E+00	1,27E+00	6,79E-01	8,76E-01	1,19E+00	1,07E+00
7	6,96E-01	9,85E-01	1,42E+00	1,30E+00	7,08E-01	8,97E-01	1,20E+00	1,08E+00
8	7,17E-01	1,01E+00	1,45E+00	1,32E+00	7,31E-01	9,14E-01	1,21E+00	1,08E+00
9	7,33E-01	1,03E+00	1,47E+00	1,34E+00	7,48E-01	9,26E-01	1,22E+00	1,09E+00
10	7,44E-01	1,04E+00	1,48E+00	1,35E+00	7,61E-01	9,36E-01	1,22E+00	1,09E+00
11	7,53E-01	1,05E+00	1,49E+00	1,36E+00	7,70E-01	9,43E-01	1,23E+00	1,09E+00
12	7,60E-01	1,05E+00	1,50E+00	1,37E+00	7,78E-01	9,49E-01	1,23E+00	1,09E+00
13	7,65E-01	1,06E+00	1,51E+00	1,38E+00	7,84E-01	9,53E-01	1,23E+00	1,09E+00
14	7,69E-01	1,06E+00	1,51E+00	1,38E+00	7,88E-01	9,56E-01	1,23E+00	1,10E+00
15	7,72E-01	1,07E+00	1,52E+00	1,38E+00	7,92E-01	9,59E-01	1,24E+00	1,10E+00
20	7,79E-01	1,07E+00	1,52E+00	1,39E+00	8,00E-01	9,65E-01	1,24E+00	1,10E+00
30	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
40	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
45	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
50	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
60	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
70	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
80	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
90	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
100	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
120	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
180	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
200	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
300	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
360	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
365	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
400	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
500	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
600	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
700	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
800	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
900	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
1000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
2000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
3000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
4000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
5000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
6000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
8000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
10000	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
13500	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
14600	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
18250	7,81E-01	1,08E+00	1,53E+00	1,39E+00	8,03E-01	9,67E-01	1,24E+00	1,10E+00
Eff. Dosis	6,1E-11	8,1E-11	1,2E-10	9,9E-11	2,4E-10	1,5E-10	1,2E-10	7,8E-11
Gebärmutter	1,3E-11	2,3E-11	3,7E-11	3,5E-11	8,3E-12	2,1E-11	3,9E-11	3,8E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Hg-197							
Zeit (d)	Inhalation Typ S				Gas/Dampf	Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	Quecksilber		
1	2,48E-01	4,08E-01	6,37E-01	5,98E-01	6,64E-01	8,33E-01	8,32E-01
2	4,14E-01	6,37E-01	9,63E-01	8,95E-01	1,17E+00	1,23E+00	1,44E+00
3	5,20E-01	7,47E-01	1,09E+00	1,00E+00	1,55E+00	1,36E+00	1,89E+00
3,5	5,60E-01	7,80E-01	1,11E+00	1,02E+00	1,70E+00	1,39E+00	2,06E+00
4	5,93E-01	8,06E-01	1,13E+00	1,03E+00	1,83E+00	1,41E+00	2,21E+00
5	6,47E-01	8,46E-01	1,16E+00	1,05E+00	2,05E+00	1,43E+00	2,45E+00
6	6,87E-01	8,74E-01	1,17E+00	1,05E+00	2,21E+00	1,45E+00	2,63E+00
7	7,17E-01	8,96E-01	1,18E+00	1,06E+00	2,34E+00	1,46E+00	2,76E+00
8	7,40E-01	9,12E-01	1,19E+00	1,06E+00	2,43E+00	1,47E+00	2,86E+00
9	7,58E-01	9,25E-01	1,20E+00	1,07E+00	2,50E+00	1,48E+00	2,93E+00
10	7,72E-01	9,34E-01	1,20E+00	1,07E+00	2,55E+00	1,49E+00	2,99E+00
11	7,82E-01	9,42E-01	1,21E+00	1,07E+00	2,59E+00	1,49E+00	3,03E+00
12	7,90E-01	9,47E-01	1,21E+00	1,07E+00	2,62E+00	1,50E+00	3,06E+00
13	7,96E-01	9,52E-01	1,21E+00	1,07E+00	2,65E+00	1,50E+00	3,09E+00
14	8,01E-01	9,55E-01	1,21E+00	1,07E+00	2,67E+00	1,50E+00	3,10E+00
15	8,04E-01	9,58E-01	1,22E+00	1,07E+00	2,68E+00	1,50E+00	3,12E+00
20	8,13E-01	9,64E-01	1,22E+00	1,08E+00	2,71E+00	1,50E+00	3,15E+00
30	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
40	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
45	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
50	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
60	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
70	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
80	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
90	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
100	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
120	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
180	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
200	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
300	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
360	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
365	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
400	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
500	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
600	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
700	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
800	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
900	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
1000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
2000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
3000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
4000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
5000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
6000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
8000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
10000	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
13500	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
14600	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
18250	8,16E-01	9,66E-01	1,22E+00	1,08E+00	2,72E+00	1,50E+00	3,16E+00
Eff. Dosis	2,9E-10	1,8E-10	1,4E-10	8,7E-11	1,3E-10	3,8E-11	1,0E-10
Gebärmutter	7,06E-12	2,1E-11	3,9E-11	3,8E-11	5,0E-11	6,5E-11	4,2E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Hg-203								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,70E-01	4,51E-01	7,09E-01	6,66E-01	2,78E-01	4,56E-01	7,13E-01	6,68E-01
2	4,99E-01	7,90E-01	1,21E+00	1,13E+00	5,12E-01	7,81E-01	1,18E+00	1,09E+00
3	6,89E-01	1,03E+00	1,54E+00	1,42E+00	7,02E-01	9,82E-01	1,41E+00	1,29E+00
3,5	7,74E-01	1,13E+00	1,66E+00	1,53E+00	7,87E-01	1,06E+00	1,47E+00	1,34E+00
4	8,55E-01	1,22E+00	1,77E+00	1,63E+00	8,69E-01	1,12E+00	1,52E+00	1,37E+00
5	1,01E+00	1,39E+00	1,97E+00	1,80E+00	1,02E+00	1,24E+00	1,60E+00	1,42E+00
6	1,15E+00	1,55E+00	2,15E+00	1,95E+00	1,17E+00	1,35E+00	1,67E+00	1,46E+00
7	1,29E+00	1,69E+00	2,32E+00	2,10E+00	1,31E+00	1,45E+00	1,73E+00	1,49E+00
8	1,42E+00	1,83E+00	2,48E+00	2,23E+00	1,45E+00	1,55E+00	1,79E+00	1,53E+00
9	1,54E+00	1,96E+00	2,64E+00	2,36E+00	1,58E+00	1,65E+00	1,84E+00	1,56E+00
10	1,66E+00	2,09E+00	2,79E+00	2,49E+00	1,71E+00	1,74E+00	1,90E+00	1,59E+00
11	1,77E+00	2,21E+00	2,93E+00	2,61E+00	1,83E+00	1,83E+00	1,95E+00	1,62E+00
12	1,88E+00	2,33E+00	3,06E+00	2,72E+00	1,95E+00	1,92E+00	2,00E+00	1,64E+00
13	1,98E+00	2,44E+00	3,19E+00	2,83E+00	2,07E+00	2,01E+00	2,05E+00	1,67E+00
14	2,08E+00	2,54E+00	3,31E+00	2,94E+00	2,18E+00	2,09E+00	2,10E+00	1,70E+00
15	2,18E+00	2,65E+00	3,43E+00	3,04E+00	2,30E+00	2,18E+00	2,15E+00	1,72E+00
20	2,61E+00	3,11E+00	3,97E+00	3,49E+00	2,82E+00	2,56E+00	2,37E+00	1,84E+00
30	3,27E+00	3,83E+00	4,80E+00	4,20E+00	3,70E+00	3,21E+00	2,74E+00	2,03E+00
40	3,76E+00	4,35E+00	5,41E+00	4,71E+00	4,42E+00	3,74E+00	3,03E+00	2,19E+00
45	3,95E+00	4,55E+00	5,64E+00	4,91E+00	4,72E+00	3,96E+00	3,16E+00	2,25E+00
50	4,12E+00	4,73E+00	5,85E+00	5,09E+00	4,99E+00	4,16E+00	3,27E+00	2,31E+00
60	4,38E+00	5,01E+00	6,17E+00	5,36E+00	5,46E+00	4,51E+00	3,46E+00	2,41E+00
70	4,57E+00	5,21E+00	6,41E+00	5,56E+00	5,84E+00	4,78E+00	3,61E+00	2,48E+00
80	4,71E+00	5,37E+00	6,59E+00	5,71E+00	6,15E+00	5,01E+00	3,73E+00	2,54E+00
90	4,81E+00	5,48E+00	6,72E+00	5,82E+00	6,39E+00	5,19E+00	3,83E+00	2,59E+00
100	4,89E+00	5,56E+00	6,81E+00	5,90E+00	6,59E+00	5,33E+00	3,90E+00	2,63E+00
120	4,99E+00	5,66E+00	6,93E+00	6,01E+00	6,89E+00	5,55E+00	4,02E+00	2,68E+00
180	5,09E+00	5,77E+00	7,06E+00	6,11E+00	7,28E+00	5,84E+00	4,17E+00	2,76E+00
200	5,10E+00	5,78E+00	7,07E+00	6,12E+00	7,34E+00	5,87E+00	4,19E+00	2,77E+00
300	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,43E+00	5,94E+00	4,22E+00	2,78E+00
360	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,43E+00	5,95E+00	4,23E+00	2,78E+00
365	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,43E+00	5,95E+00	4,23E+00	2,78E+00
400	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
500	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
600	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
700	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
800	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
900	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
1000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
2000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
3000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
4000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
5000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
6000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
8000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
10000	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
13500	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
14600	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
18250	5,11E+00	5,80E+00	7,09E+00	6,14E+00	7,44E+00	5,95E+00	4,23E+00	2,78E+00
Eff. Dosis	3,4E-10	4,0E-10	5,1E-10	4,4E-10	1,4E-09	9,7E-10	6,4E-10	3,9E-10
Gebärmutter	1,4E-10	1,9E-10	2,6E-10	2,4E-10	7,4E-11	1,2E-10	1,8E-10	1,7E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Hg-203							
Zeit (d)	Inhalation Typ S				Gas/Dampf	Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm	Quecksilber		
1	2,79E-01	4,57E-01	7,13E-01	6,69E-01	7,47E-01	9,34E-01	9,36E-01
2	5,15E-01	7,82E-01	1,17E+00	1,09E+00	1,47E+00	1,49E+00	1,81E+00
3	7,09E-01	9,81E-01	1,40E+00	1,28E+00	2,16E+00	1,72E+00	2,62E+00
3,5	7,95E-01	1,06E+00	1,46E+00	1,32E+00	2,50E+00	1,79E+00	3,00E+00
4	8,78E-01	1,12E+00	1,50E+00	1,35E+00	2,83E+00	1,84E+00	3,37E+00
5	1,04E+00	1,23E+00	1,57E+00	1,39E+00	3,46E+00	1,91E+00	4,08E+00
6	1,19E+00	1,34E+00	1,63E+00	1,42E+00	4,08E+00	1,98E+00	4,75E+00
7	1,33E+00	1,45E+00	1,68E+00	1,45E+00	4,67E+00	2,05E+00	5,38E+00
8	1,47E+00	1,55E+00	1,74E+00	1,47E+00	5,23E+00	2,11E+00	5,99E+00
9	1,61E+00	1,64E+00	1,79E+00	1,49E+00	5,78E+00	2,17E+00	6,56E+00
10	1,75E+00	1,74E+00	1,83E+00	1,51E+00	6,31E+00	2,22E+00	7,11E+00
11	1,88E+00	1,83E+00	1,88E+00	1,54E+00	6,82E+00	2,28E+00	7,64E+00
12	2,00E+00	1,92E+00	1,93E+00	1,56E+00	7,32E+00	2,33E+00	8,14E+00
13	2,13E+00	2,01E+00	1,97E+00	1,58E+00	7,79E+00	2,37E+00	8,63E+00
14	2,25E+00	2,10E+00	2,02E+00	1,60E+00	8,25E+00	2,42E+00	9,09E+00
15	2,37E+00	2,18E+00	2,06E+00	1,62E+00	8,70E+00	2,47E+00	9,54E+00
20	2,93E+00	2,59E+00	2,27E+00	1,71E+00	1,07E+01	2,67E+00	1,16E+01
30	3,92E+00	3,30E+00	2,63E+00	1,88E+00	1,40E+01	2,98E+00	1,47E+01
40	4,75E+00	3,90E+00	2,93E+00	2,01E+00	1,63E+01	3,21E+00	1,70E+01
45	5,12E+00	4,16E+00	3,06E+00	2,07E+00	1,73E+01	3,30E+00	1,79E+01
50	5,46E+00	4,40E+00	3,19E+00	2,13E+00	1,81E+01	3,38E+00	1,86E+01
60	6,05E+00	4,83E+00	3,40E+00	2,23E+00	1,94E+01	3,50E+00	1,99E+01
70	6,55E+00	5,19E+00	3,58E+00	2,31E+00	2,03E+01	3,59E+00	2,08E+01
80	6,97E+00	5,49E+00	3,74E+00	2,38E+00	2,10E+01	3,66E+00	2,14E+01
90	7,33E+00	5,75E+00	3,86E+00	2,44E+00	2,16E+01	3,71E+00	2,19E+01
100	7,63E+00	5,97E+00	3,97E+00	2,49E+00	2,20E+01	3,74E+00	2,23E+01
120	8,10E+00	6,31E+00	4,15E+00	2,57E+00	2,24E+01	3,79E+00	2,27E+01
180	8,85E+00	6,84E+00	4,42E+00	2,69E+00	2,29E+01	3,84E+00	2,32E+01
200	8,97E+00	6,93E+00	4,46E+00	2,71E+00	2,30E+01	3,84E+00	2,32E+01
300	9,23E+00	7,12E+00	4,55E+00	2,75E+00	2,30E+01	3,85E+00	2,33E+01
360	9,26E+00	7,14E+00	4,57E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
365	9,27E+00	7,15E+00	4,57E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
400	9,28E+00	7,15E+00	4,57E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
500	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
600	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
700	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
800	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
900	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
1000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
2000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
3000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
4000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
5000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
6000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
8000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
10000	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
13500	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
14600	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
18250	9,29E+00	7,16E+00	4,58E+00	2,76E+00	2,31E+01	3,85E+00	2,33E+01
Eff. Dosis	1,9E-09	1,3E-09	8,4E-10	4,8E-10	1,3E-09	2,3E-10	1,4E-09
Gebärmutter	4,07E-11	9,1E-11	1,6E-10	1,6E-10	7,5E-10	2,9E-10	6,0E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

TI-201								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,51E-01	4,18E-01	6,56E-01	6,16E-01	2,52E-01	4,14E-01	6,47E-01	6,07E-01
2	4,38E-01	7,19E-01	1,12E+00	1,05E+00	4,27E-01	6,63E-01	1,01E+00	9,39E-01
3	5,79E-01	9,45E-01	1,47E+00	1,38E+00	5,47E-01	8,03E-01	1,18E+00	1,09E+00
3,5	6,35E-01	1,04E+00	1,61E+00	1,51E+00	5,93E-01	8,51E-01	1,24E+00	1,14E+00
4	6,84E-01	1,11E+00	1,74E+00	1,63E+00	6,33E-01	8,90E-01	1,28E+00	1,17E+00
5	7,62E-01	1,24E+00	1,93E+00	1,81E+00	6,98E-01	9,52E-01	1,34E+00	1,22E+00
6	8,21E-01	1,34E+00	2,08E+00	1,95E+00	7,48E-01	9,99E-01	1,39E+00	1,26E+00
7	8,65E-01	1,41E+00	2,19E+00	2,05E+00	7,87E-01	1,03E+00	1,42E+00	1,28E+00
8	8,98E-01	1,46E+00	2,27E+00	2,12E+00	8,17E-01	1,06E+00	1,44E+00	1,30E+00
9	9,23E-01	1,50E+00	2,33E+00	2,18E+00	8,40E-01	1,08E+00	1,46E+00	1,32E+00
10	9,41E-01	1,53E+00	2,38E+00	2,22E+00	8,58E-01	1,10E+00	1,48E+00	1,33E+00
11	9,55E-01	1,55E+00	2,41E+00	2,26E+00	8,72E-01	1,11E+00	1,49E+00	1,34E+00
12	9,65E-01	1,57E+00	2,44E+00	2,28E+00	8,83E-01	1,12E+00	1,50E+00	1,34E+00
13	9,73E-01	1,58E+00	2,46E+00	2,30E+00	8,92E-01	1,13E+00	1,50E+00	1,35E+00
14	9,79E-01	1,59E+00	2,47E+00	2,31E+00	8,99E-01	1,13E+00	1,51E+00	1,35E+00
15	9,83E-01	1,60E+00	2,48E+00	2,32E+00	9,04E-01	1,14E+00	1,51E+00	1,36E+00
20	9,93E-01	1,61E+00	2,50E+00	2,34E+00	9,17E-01	1,15E+00	1,52E+00	1,36E+00
30	9,95E-01	1,62E+00	2,51E+00	2,35E+00	9,22E-01	1,15E+00	1,53E+00	1,36E+00
40	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
45	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
50	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
60	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
70	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
80	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
90	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
100	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
120	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
180	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
200	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
300	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
360	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
365	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
400	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
500	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
600	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
700	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
800	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
900	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
1000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
2000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
3000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
4000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
5000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
6000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
8000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
10000	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
13500	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
14600	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
18250	9,96E-01	1,62E+00	2,51E+00	2,35E+00	9,23E-01	1,16E+00	1,53E+00	1,37E+00
Eff. Dosis	2,2E-11	3,4E-11	5,2E-11	4,8E-11	1,2E-10	8,9E-11	8,0E-11	5,8E-11
Gebärmutter	2,0E-11	3,2E-11	4,9E-11	4,5E-11	1,1E-11	2,8E-11	5,0E-11	4,8E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

TI-201						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,52E-01	4,13E-01	6,46E-01	6,05E-01	8,81E-01	8,79E-01
2	4,24E-01	6,52E-01	9,85E-01	9,16E-01	1,55E+00	1,55E+00
3	5,39E-01	7,71E-01	1,12E+00	1,03E+00	2,06E+00	2,06E+00
3,5	5,82E-01	8,08E-01	1,15E+00	1,05E+00	2,26E+00	2,26E+00
4	6,20E-01	8,38E-01	1,17E+00	1,07E+00	2,44E+00	2,43E+00
5	6,81E-01	8,83E-01	1,20E+00	1,09E+00	2,72E+00	2,72E+00
6	7,28E-01	9,17E-01	1,22E+00	1,10E+00	2,94E+00	2,93E+00
7	7,64E-01	9,43E-01	1,24E+00	1,10E+00	3,09E+00	3,09E+00
8	7,93E-01	9,64E-01	1,25E+00	1,11E+00	3,21E+00	3,21E+00
9	8,15E-01	9,80E-01	1,25E+00	1,11E+00	3,30E+00	3,29E+00
10	8,33E-01	9,93E-01	1,26E+00	1,12E+00	3,37E+00	3,36E+00
11	8,47E-01	1,00E+00	1,27E+00	1,12E+00	3,42E+00	3,41E+00
12	8,58E-01	1,01E+00	1,27E+00	1,12E+00	3,45E+00	3,45E+00
13	8,67E-01	1,02E+00	1,27E+00	1,12E+00	3,48E+00	3,47E+00
14	8,73E-01	1,02E+00	1,28E+00	1,12E+00	3,50E+00	3,50E+00
15	8,79E-01	1,03E+00	1,28E+00	1,12E+00	3,52E+00	3,51E+00
20	8,93E-01	1,04E+00	1,28E+00	1,13E+00	3,55E+00	3,55E+00
30	8,99E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
40	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
45	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
50	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
60	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
70	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
80	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
90	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
100	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
120	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
180	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
200	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
300	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
360	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
365	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
400	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
500	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
600	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
700	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
800	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
900	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
1000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
2000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
3000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
4000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
5000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
6000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
8000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
10000	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
13500	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
14600	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
18250	9,00E-01	1,04E+00	1,29E+00	1,13E+00	3,56E+00	3,56E+00
Eff. Dosis	1,5E-10	1,0E-10	8,5E-11	5,9E-11	7,2E-11	7,0E-11
Gebärmutter	9,21E-12	2,7E-11	5,0E-11	4,9E-11	7,5E-11	7,5E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

TI-202								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,73E-01	4,53E-01	7,12E-01	6,69E-01	2,73E-01	4,49E-01	7,01E-01	6,57E-01
2	5,14E-01	8,43E-01	1,32E+00	1,23E+00	4,99E-01	7,69E-01	1,16E+00	1,08E+00
3	7,29E-01	1,19E+00	1,85E+00	1,73E+00	6,82E-01	9,82E-01	1,43E+00	1,32E+00
3,5	8,28E-01	1,35E+00	2,10E+00	1,96E+00	7,63E-01	1,07E+00	1,52E+00	1,40E+00
4	9,20E-01	1,50E+00	2,33E+00	2,18E+00	8,39E-01	1,14E+00	1,60E+00	1,46E+00
5	1,09E+00	1,77E+00	2,75E+00	2,57E+00	9,80E-01	1,27E+00	1,74E+00	1,57E+00
6	1,24E+00	2,01E+00	3,12E+00	2,92E+00	1,11E+00	1,39E+00	1,85E+00	1,66E+00
7	1,38E+00	2,23E+00	3,46E+00	3,24E+00	1,23E+00	1,50E+00	1,95E+00	1,74E+00
8	1,49E+00	2,42E+00	3,75E+00	3,51E+00	1,33E+00	1,60E+00	2,05E+00	1,81E+00
9	1,60E+00	2,59E+00	4,02E+00	3,76E+00	1,43E+00	1,69E+00	2,13E+00	1,87E+00
10	1,69E+00	2,74E+00	4,25E+00	3,97E+00	1,53E+00	1,77E+00	2,20E+00	1,93E+00
11	1,78E+00	2,87E+00	4,46E+00	4,17E+00	1,61E+00	1,85E+00	2,27E+00	1,98E+00
12	1,85E+00	2,99E+00	4,64E+00	4,34E+00	1,69E+00	1,92E+00	2,33E+00	2,03E+00
13	1,92E+00	3,10E+00	4,80E+00	4,49E+00	1,76E+00	1,98E+00	2,39E+00	2,07E+00
14	1,97E+00	3,19E+00	4,95E+00	4,63E+00	1,83E+00	2,04E+00	2,44E+00	2,11E+00
15	2,02E+00	3,27E+00	5,07E+00	4,75E+00	1,90E+00	2,10E+00	2,48E+00	2,14E+00
20	2,21E+00	3,57E+00	5,53E+00	5,17E+00	2,15E+00	2,31E+00	2,66E+00	2,27E+00
30	2,36E+00	3,82E+00	5,92E+00	5,53E+00	2,45E+00	2,56E+00	2,84E+00	2,39E+00
40	2,41E+00	3,89E+00	6,04E+00	5,65E+00	2,61E+00	2,68E+00	2,91E+00	2,43E+00
45	2,42E+00	3,91E+00	6,06E+00	5,67E+00	2,65E+00	2,72E+00	2,93E+00	2,45E+00
50	2,43E+00	3,92E+00	6,07E+00	5,68E+00	2,69E+00	2,74E+00	2,95E+00	2,45E+00
60	2,43E+00	3,92E+00	6,08E+00	5,69E+00	2,73E+00	2,77E+00	2,97E+00	2,46E+00
70	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,75E+00	2,79E+00	2,97E+00	2,47E+00
80	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,76E+00	2,79E+00	2,98E+00	2,47E+00
90	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,77E+00	2,80E+00	2,98E+00	2,47E+00
100	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,77E+00	2,80E+00	2,98E+00	2,47E+00
120	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,77E+00	2,80E+00	2,98E+00	2,47E+00
180	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
200	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
300	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
360	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
365	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
400	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
500	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
600	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
700	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
800	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
900	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
1000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
2000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
3000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
4000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
5000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
6000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
8000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
10000	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
13500	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
14600	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
18250	2,43E+00	3,93E+00	6,09E+00	5,69E+00	2,78E+00	2,80E+00	2,98E+00	2,47E+00
Eff. Dosis	1,2E-10	2,0E-10	3,1E-10	2,9E-10	3,3E-10	2,9E-10	2,7E-10	2,1E-10
Gebärmutter	1,5E-10	2,4E-10	3,7E-10	3,5E-10	8,3E-11	1,8E-10	3,1E-10	2,9E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

TI-202						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,73E-01	4,48E-01	6,99E-01	6,56E-01	9,57E-01	9,56E-01
2	4,96E-01	7,54E-01	1,13E+00	1,05E+00	1,83E+00	1,82E+00
3	6,71E-01	9,36E-01	1,34E+00	1,23E+00	2,60E+00	2,60E+00
3,5	7,47E-01	1,00E+00	1,39E+00	1,27E+00	2,96E+00	2,95E+00
4	8,18E-01	1,06E+00	1,43E+00	1,29E+00	3,29E+00	3,29E+00
5	9,49E-01	1,15E+00	1,50E+00	1,33E+00	3,90E+00	3,90E+00
6	1,07E+00	1,24E+00	1,54E+00	1,36E+00	4,45E+00	4,44E+00
7	1,18E+00	1,32E+00	1,59E+00	1,38E+00	4,93E+00	4,92E+00
8	1,29E+00	1,40E+00	1,63E+00	1,40E+00	5,36E+00	5,35E+00
9	1,38E+00	1,47E+00	1,67E+00	1,42E+00	5,74E+00	5,73E+00
10	1,47E+00	1,53E+00	1,70E+00	1,43E+00	6,08E+00	6,07E+00
11	1,56E+00	1,59E+00	1,73E+00	1,45E+00	6,38E+00	6,36E+00
12	1,64E+00	1,65E+00	1,76E+00	1,46E+00	6,64E+00	6,63E+00
13	1,71E+00	1,70E+00	1,79E+00	1,48E+00	6,88E+00	6,87E+00
14	1,78E+00	1,75E+00	1,82E+00	1,49E+00	7,09E+00	7,08E+00
15	1,84E+00	1,80E+00	1,84E+00	1,50E+00	7,28E+00	7,26E+00
20	2,12E+00	2,00E+00	1,94E+00	1,55E+00	7,94E+00	7,92E+00
30	2,47E+00	2,25E+00	2,08E+00	1,61E+00	8,50E+00	8,48E+00
40	2,66E+00	2,39E+00	2,15E+00	1,64E+00	8,67E+00	8,65E+00
45	2,72E+00	2,43E+00	2,17E+00	1,65E+00	8,70E+00	8,69E+00
50	2,77E+00	2,47E+00	2,19E+00	1,66E+00	8,72E+00	8,71E+00
60	2,83E+00	2,51E+00	2,21E+00	1,67E+00	8,74E+00	8,72E+00
70	2,86E+00	2,53E+00	2,22E+00	1,68E+00	8,74E+00	8,73E+00
80	2,88E+00	2,55E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
90	2,89E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
100	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
120	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
180	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
200	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
300	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
360	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
365	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
400	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
500	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
600	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
700	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
800	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
900	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
1000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
2000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
3000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
4000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
5000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
6000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
8000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
10000	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
13500	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
14600	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
18250	2,90E+00	2,56E+00	2,23E+00	1,68E+00	8,75E+00	8,73E+00
Eff. Dosis	4,0E-10	3,3E-10	2,6E-10	1,9E-10	4,5E-10	4,4E-10
Gebärmutter	6,05E-11	1,6E-10	2,9E-10	2,8E-10	5,5E-10	5,5E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

TI-204

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,81E-01	4,66E-01	7,32E-01	6,87E-01	2,81E-01	4,61E-01	7,20E-01	6,75E-01
2	5,43E-01	8,89E-01	1,39E+00	1,30E+00	5,26E-01	8,09E-01	1,22E+00	1,14E+00
3	7,90E-01	1,29E+00	2,00E+00	1,88E+00	7,37E-01	1,05E+00	1,53E+00	1,41E+00
3,5	9,09E-01	1,48E+00	2,30E+00	2,15E+00	8,34E-01	1,15E+00	1,64E+00	1,50E+00
4	1,02E+00	1,66E+00	2,58E+00	2,42E+00	9,28E-01	1,25E+00	1,74E+00	1,58E+00
5	1,24E+00	2,01E+00	3,13E+00	2,93E+00	1,11E+00	1,42E+00	1,91E+00	1,72E+00
6	1,45E+00	2,34E+00	3,64E+00	3,40E+00	1,28E+00	1,58E+00	2,07E+00	1,84E+00
7	1,64E+00	2,65E+00	4,12E+00	3,85E+00	1,45E+00	1,74E+00	2,21E+00	1,96E+00
8	1,82E+00	2,95E+00	4,57E+00	4,27E+00	1,62E+00	1,89E+00	2,35E+00	2,07E+00
9	1,99E+00	3,22E+00	4,99E+00	4,67E+00	1,78E+00	2,03E+00	2,49E+00	2,17E+00
10	2,15E+00	3,48E+00	5,39E+00	5,04E+00	1,94E+00	2,17E+00	2,62E+00	2,27E+00
11	2,30E+00	3,72E+00	5,76E+00	5,39E+00	2,09E+00	2,31E+00	2,74E+00	2,36E+00
12	2,44E+00	3,94E+00	6,11E+00	5,72E+00	2,24E+00	2,45E+00	2,85E+00	2,45E+00
13	2,57E+00	4,16E+00	6,44E+00	6,02E+00	2,39E+00	2,58E+00	2,97E+00	2,53E+00
14	2,70E+00	4,35E+00	6,75E+00	6,31E+00	2,54E+00	2,70E+00	3,07E+00	2,61E+00
15	2,81E+00	4,54E+00	7,04E+00	6,58E+00	2,68E+00	2,82E+00	3,18E+00	2,69E+00
20	3,30E+00	5,32E+00	8,24E+00	7,71E+00	3,36E+00	3,40E+00	3,64E+00	3,02E+00
30	3,91E+00	6,30E+00	9,76E+00	9,13E+00	4,57E+00	4,39E+00	4,35E+00	3,50E+00
40	4,23E+00	6,82E+00	1,06E+01	9,89E+00	5,66E+00	5,22E+00	4,89E+00	3,82E+00
45	4,33E+00	6,99E+00	1,08E+01	1,01E+01	6,16E+00	5,60E+00	5,11E+00	3,95E+00
50	4,41E+00	7,10E+00	1,10E+01	1,03E+01	6,64E+00	5,96E+00	5,32E+00	4,06E+00
60	4,50E+00	7,25E+00	1,12E+01	1,05E+01	7,54E+00	6,62E+00	5,69E+00	4,25E+00
70	4,55E+00	7,33E+00	1,14E+01	1,06E+01	8,37E+00	7,23E+00	6,01E+00	4,41E+00
80	4,58E+00	7,38E+00	1,14E+01	1,07E+01	9,13E+00	7,78E+00	6,30E+00	4,54E+00
90	4,59E+00	7,40E+00	1,15E+01	1,07E+01	9,84E+00	8,29E+00	6,56E+00	4,66E+00
100	4,60E+00	7,41E+00	1,15E+01	1,07E+01	1,05E+01	8,77E+00	6,80E+00	4,77E+00
120	4,60E+00	7,42E+00	1,15E+01	1,08E+01	1,17E+01	9,62E+00	7,23E+00	4,97E+00
180	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,43E+01	1,15E+01	8,19E+00	5,41E+00
200	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,50E+01	1,20E+01	8,43E+00	5,52E+00
300	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,72E+01	1,36E+01	9,23E+00	5,88E+00
360	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,79E+01	1,41E+01	9,51E+00	6,00E+00
365	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,80E+01	1,42E+01	9,52E+00	6,01E+00
400	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,83E+01	1,44E+01	9,63E+00	6,06E+00
500	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,89E+01	1,48E+01	9,84E+00	6,16E+00
600	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,92E+01	1,50E+01	9,95E+00	6,20E+00
700	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,93E+01	1,51E+01	1,00E+01	6,23E+00
800	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,94E+01	1,52E+01	1,00E+01	6,25E+00
900	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,52E+01	1,01E+01	6,25E+00
1000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,52E+01	1,01E+01	6,26E+00
2000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
3000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
4000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
5000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
6000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
8000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
10000	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
13500	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
14600	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
18250	4,61E+00	7,43E+00	1,15E+01	1,08E+01	1,95E+01	1,53E+01	1,01E+01	6,26E+00
Eff. Dosis	2,3E-10	3,7E-10	5,8E-10	5,4E-10	5,1E-09	3,7E-09	2,2E-09	1,2E-09
Gebärmutter	1,9E-10	3,0E-10	4,7E-10	4,4E-10	1,1E-10	1,2E-10	1,3E-10	1,1E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

TI-204						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,84E-01	9,83E-01
2	5,23E-01	7,93E-01	1,19E+00	1,11E+00	1,93E+00	1,93E+00
3	7,24E-01	1,00E+00	1,42E+00	1,30E+00	2,82E+00	2,82E+00
3,5	8,15E-01	1,08E+00	1,49E+00	1,35E+00	3,25E+00	3,24E+00
4	9,03E-01	1,15E+00	1,54E+00	1,39E+00	3,66E+00	3,66E+00
5	1,07E+00	1,27E+00	1,62E+00	1,43E+00	4,45E+00	4,44E+00
6	1,24E+00	1,39E+00	1,69E+00	1,47E+00	5,19E+00	5,18E+00
7	1,40E+00	1,51E+00	1,75E+00	1,50E+00	5,89E+00	5,88E+00
8	1,56E+00	1,62E+00	1,81E+00	1,53E+00	6,54E+00	6,53E+00
9	1,71E+00	1,73E+00	1,87E+00	1,56E+00	7,15E+00	7,14E+00
10	1,86E+00	1,84E+00	1,93E+00	1,59E+00	7,73E+00	7,72E+00
11	2,02E+00	1,95E+00	1,99E+00	1,62E+00	8,27E+00	8,26E+00
12	2,17E+00	2,06E+00	2,05E+00	1,64E+00	8,78E+00	8,76E+00
13	2,32E+00	2,17E+00	2,10E+00	1,67E+00	9,26E+00	9,24E+00
14	2,47E+00	2,28E+00	2,16E+00	1,70E+00	9,70E+00	9,69E+00
15	2,61E+00	2,39E+00	2,22E+00	1,72E+00	1,01E+01	1,01E+01
20	3,34E+00	2,91E+00	2,49E+00	1,85E+00	1,19E+01	1,19E+01
30	4,75E+00	3,93E+00	3,01E+00	2,10E+00	1,41E+01	1,41E+01
40	6,12E+00	4,92E+00	3,52E+00	2,33E+00	1,53E+01	1,52E+01
45	6,79E+00	5,40E+00	3,76E+00	2,44E+00	1,56E+01	1,56E+01
50	7,46E+00	5,88E+00	4,00E+00	2,55E+00	1,59E+01	1,59E+01
60	8,76E+00	6,82E+00	4,47E+00	2,77E+00	1,62E+01	1,62E+01
70	1,00E+01	7,73E+00	4,93E+00	2,97E+00	1,64E+01	1,64E+01
80	1,13E+01	8,62E+00	5,38E+00	3,18E+00	1,65E+01	1,65E+01
90	1,25E+01	9,48E+00	5,82E+00	3,37E+00	1,65E+01	1,65E+01
100	1,37E+01	1,03E+01	6,25E+00	3,57E+00	1,66E+01	1,65E+01
120	1,59E+01	1,20E+01	7,07E+00	3,94E+00	1,66E+01	1,66E+01
180	2,21E+01	1,64E+01	9,32E+00	4,96E+00	1,66E+01	1,66E+01
200	2,40E+01	1,78E+01	1,00E+01	5,27E+00	1,66E+01	1,66E+01
300	3,23E+01	2,38E+01	1,30E+01	6,64E+00	1,66E+01	1,66E+01
360	3,66E+01	2,68E+01	1,46E+01	7,34E+00	1,66E+01	1,66E+01
365	3,69E+01	2,71E+01	1,47E+01	7,40E+00	1,66E+01	1,66E+01
400	3,92E+01	2,87E+01	1,55E+01	7,77E+00	1,66E+01	1,66E+01
500	4,49E+01	3,28E+01	1,76E+01	8,73E+00	1,66E+01	1,66E+01
600	4,98E+01	3,64E+01	1,94E+01	9,55E+00	1,66E+01	1,66E+01
700	5,41E+01	3,95E+01	2,10E+01	1,03E+01	1,66E+01	1,66E+01
800	5,79E+01	4,22E+01	2,24E+01	1,09E+01	1,66E+01	1,66E+01
900	6,14E+01	4,47E+01	2,36E+01	1,15E+01	1,66E+01	1,66E+01
1000	6,45E+01	4,69E+01	2,48E+01	1,20E+01	1,66E+01	1,66E+01
2000	8,54E+01	6,21E+01	3,25E+01	1,56E+01	1,66E+01	1,66E+01
3000	9,65E+01	7,01E+01	3,66E+01	1,75E+01	1,66E+01	1,66E+01
4000	1,03E+02	7,44E+01	3,88E+01	1,85E+01	1,66E+01	1,66E+01
5000	1,06E+02	7,68E+01	4,00E+01	1,90E+01	1,66E+01	1,66E+01
6000	1,08E+02	7,82E+01	4,07E+01	1,94E+01	1,66E+01	1,66E+01
8000	1,09E+02	7,93E+01	4,13E+01	1,96E+01	1,66E+01	1,66E+01
10000	1,10E+02	7,96E+01	4,14E+01	1,97E+01	1,66E+01	1,66E+01
13500	1,10E+02	7,97E+01	4,15E+01	1,97E+01	1,66E+01	1,66E+01
14600	1,10E+02	7,97E+01	4,15E+01	1,97E+01	1,66E+01	1,66E+01
18250	1,10E+02	7,97E+01	4,15E+01	1,97E+01	1,66E+01	1,66E+01
Eff. Dosis	3,0E-08	2,2E-08	1,2E-08	5,9E-09	8,1E-10	7,8E-10
Gebärmutter	1,52E-11	1,8E-11	2,3E-11	2,0E-11	6,8E-10	6,9E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ac-225								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,70E-01	4,44E-01	6,95E-01	6,51E-01	2,72E-01	4,45E-01	6,95E-01	6,52E-01
2	4,84E-01	7,42E-01	1,12E+00	1,04E+00	4,89E-01	7,45E-01	1,12E+00	1,04E+00
3	6,48E-01	9,13E-01	1,31E+00	1,21E+00	6,56E-01	9,18E-01	1,31E+00	1,20E+00
3,5	7,19E-01	9,73E-01	1,37E+00	1,24E+00	7,29E-01	9,79E-01	1,37E+00	1,24E+00
4	7,84E-01	1,02E+00	1,40E+00	1,27E+00	7,96E-01	1,03E+00	1,40E+00	1,27E+00
5	9,03E-01	1,11E+00	1,46E+00	1,30E+00	9,18E-01	1,12E+00	1,46E+00	1,30E+00
6	1,01E+00	1,19E+00	1,50E+00	1,32E+00	1,03E+00	1,20E+00	1,50E+00	1,32E+00
7	1,11E+00	1,26E+00	1,54E+00	1,34E+00	1,13E+00	1,27E+00	1,54E+00	1,34E+00
8	1,20E+00	1,33E+00	1,57E+00	1,36E+00	1,23E+00	1,34E+00	1,57E+00	1,35E+00
9	1,29E+00	1,39E+00	1,61E+00	1,37E+00	1,31E+00	1,40E+00	1,60E+00	1,37E+00
10	1,37E+00	1,44E+00	1,64E+00	1,39E+00	1,39E+00	1,46E+00	1,63E+00	1,38E+00
11	1,45E+00	1,50E+00	1,67E+00	1,40E+00	1,47E+00	1,51E+00	1,66E+00	1,39E+00
12	1,51E+00	1,54E+00	1,69E+00	1,42E+00	1,53E+00	1,56E+00	1,68E+00	1,40E+00
13	1,58E+00	1,59E+00	1,72E+00	1,43E+00	1,60E+00	1,60E+00	1,71E+00	1,42E+00
14	1,64E+00	1,63E+00	1,74E+00	1,44E+00	1,66E+00	1,64E+00	1,73E+00	1,43E+00
15	1,70E+00	1,67E+00	1,76E+00	1,45E+00	1,71E+00	1,68E+00	1,75E+00	1,43E+00
20	1,92E+00	1,83E+00	1,85E+00	1,49E+00	1,93E+00	1,84E+00	1,83E+00	1,47E+00
30	2,20E+00	2,02E+00	1,95E+00	1,54E+00	2,19E+00	2,03E+00	1,93E+00	1,52E+00
40	2,33E+00	2,12E+00	2,00E+00	1,57E+00	2,32E+00	2,12E+00	1,97E+00	1,54E+00
45	2,37E+00	2,15E+00	2,02E+00	1,58E+00	2,36E+00	2,15E+00	1,99E+00	1,54E+00
50	2,40E+00	2,17E+00	2,03E+00	1,58E+00	2,38E+00	2,16E+00	1,99E+00	1,55E+00
60	2,43E+00	2,19E+00	2,04E+00	1,59E+00	2,41E+00	2,19E+00	2,01E+00	1,55E+00
70	2,45E+00	2,20E+00	2,05E+00	1,59E+00	2,43E+00	2,20E+00	2,01E+00	1,56E+00
80	2,46E+00	2,21E+00	2,05E+00	1,59E+00	2,44E+00	2,20E+00	2,01E+00	1,56E+00
90	2,46E+00	2,21E+00	2,05E+00	1,59E+00	2,44E+00	2,20E+00	2,02E+00	1,56E+00
100	2,47E+00	2,21E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
120	2,47E+00	2,21E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
180	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
200	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
300	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
360	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
365	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
400	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
500	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
600	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
700	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
800	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
900	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
1000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
2000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
3000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
4000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
5000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
6000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
8000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
10000	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
13500	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
14600	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
18250	2,47E+00	2,22E+00	2,05E+00	1,59E+00	2,44E+00	2,21E+00	2,02E+00	1,56E+00
Eff. Dosis	1,9E-06	1,2E-06	8,9E-07	5,5E-07	4,3E-06	2,6E-06	1,8E-06	1,1E-06
Gebärmutter	3,1E-08	2,3E-08	1,6E-08	9,6E-09	7,8E-09	5,6E-09	3,2E-09	1,7E-09

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Ac-225						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,72E-01	4,45E-01	6,95E-01	6,52E-01	9,11E-01	9,17E-01
2	4,90E-01	7,45E-01	1,12E+00	1,04E+00	1,40E+00	1,75E+00
3	6,59E-01	9,19E-01	1,32E+00	1,20E+00	1,55E+00	2,53E+00
3,5	7,31E-01	9,81E-01	1,37E+00	1,24E+00	1,57E+00	2,89E+00
4	7,99E-01	1,03E+00	1,40E+00	1,27E+00	1,58E+00	3,24E+00
5	9,22E-01	1,12E+00	1,46E+00	1,30E+00	1,59E+00	3,91E+00
6	1,03E+00	1,20E+00	1,50E+00	1,32E+00	1,59E+00	4,53E+00
7	1,14E+00	1,28E+00	1,54E+00	1,34E+00	1,59E+00	5,11E+00
8	1,23E+00	1,34E+00	1,57E+00	1,35E+00	1,59E+00	5,64E+00
9	1,32E+00	1,40E+00	1,60E+00	1,36E+00	1,60E+00	6,14E+00
10	1,40E+00	1,46E+00	1,63E+00	1,38E+00	1,60E+00	6,61E+00
11	1,47E+00	1,51E+00	1,66E+00	1,39E+00	1,60E+00	7,05E+00
12	1,54E+00	1,56E+00	1,68E+00	1,40E+00	1,60E+00	7,45E+00
13	1,60E+00	1,61E+00	1,71E+00	1,41E+00	1,60E+00	7,83E+00
14	1,66E+00	1,65E+00	1,73E+00	1,42E+00	1,60E+00	8,18E+00
15	1,72E+00	1,69E+00	1,75E+00	1,43E+00	1,60E+00	8,51E+00
20	1,94E+00	1,85E+00	1,83E+00	1,47E+00	1,60E+00	9,84E+00
30	2,19E+00	2,03E+00	1,92E+00	1,51E+00	1,60E+00	1,14E+01
40	2,32E+00	2,12E+00	1,97E+00	1,53E+00	1,60E+00	1,22E+01
45	2,36E+00	2,15E+00	1,98E+00	1,54E+00	1,60E+00	1,25E+01
50	2,38E+00	2,17E+00	1,99E+00	1,54E+00	1,60E+00	1,26E+01
60	2,41E+00	2,19E+00	2,00E+00	1,54E+00	1,60E+00	1,28E+01
70	2,43E+00	2,20E+00	2,00E+00	1,55E+00	1,60E+00	1,29E+01
80	2,44E+00	2,20E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
90	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
100	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
120	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
180	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
200	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
300	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
360	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
365	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
400	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
500	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
600	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
700	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
800	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
900	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
1000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
2000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
3000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
4000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
5000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
6000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
8000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
10000	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
13500	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
14600	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
18250	2,44E+00	2,21E+00	2,01E+00	1,55E+00	1,60E+00	1,30E+01
Eff. Dosis	5,0E-06	3,0E-06	2,1E-06	1,2E-06	2,2E-08	1,8E-06
Gebärmutter	3,85E-10	3,4E-10	3,2E-10	2,4E-10	6,7E-09	2,1E-07

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Np-239								
Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,24E-01	3,83E-01	6,11E-01	5,76E-01	2,42E-01	3,99E-01	6,25E-01	5,87E-01
2	3,55E-01	5,87E-01	9,22E-01	8,65E-01	3,93E-01	6,12E-01	9,32E-01	8,68E-01
3	4,36E-01	6,90E-01	1,06E+00	9,89E-01	4,86E-01	7,10E-01	1,04E+00	9,63E-01
3,5	4,65E-01	7,23E-01	1,10E+00	1,02E+00	5,19E-01	7,39E-01	1,07E+00	9,82E-01
4	4,90E-01	7,49E-01	1,13E+00	1,05E+00	5,47E-01	7,61E-01	1,09E+00	9,93E-01
5	5,28E-01	7,88E-01	1,17E+00	1,08E+00	5,90E-01	7,92E-01	1,10E+00	1,00E+00
6	5,56E-01	8,16E-01	1,20E+00	1,11E+00	6,21E-01	8,15E-01	1,12E+00	1,01E+00
7	5,77E-01	8,37E-01	1,22E+00	1,13E+00	6,43E-01	8,31E-01	1,13E+00	1,02E+00
8	5,92E-01	8,52E-01	1,24E+00	1,14E+00	6,60E-01	8,42E-01	1,13E+00	1,02E+00
9	6,03E-01	8,63E-01	1,25E+00	1,15E+00	6,72E-01	8,51E-01	1,14E+00	1,02E+00
10	6,12E-01	8,72E-01	1,26E+00	1,16E+00	6,81E-01	8,57E-01	1,14E+00	1,02E+00
11	6,18E-01	8,78E-01	1,27E+00	1,16E+00	6,88E-01	8,62E-01	1,14E+00	1,02E+00
12	6,23E-01	8,82E-01	1,27E+00	1,17E+00	6,92E-01	8,66E-01	1,14E+00	1,02E+00
13	6,26E-01	8,86E-01	1,28E+00	1,17E+00	6,96E-01	8,68E-01	1,15E+00	1,02E+00
14	6,29E-01	8,88E-01	1,28E+00	1,17E+00	6,99E-01	8,70E-01	1,15E+00	1,03E+00
15	6,30E-01	8,90E-01	1,28E+00	1,17E+00	7,01E-01	8,72E-01	1,15E+00	1,03E+00
20	6,35E-01	8,95E-01	1,29E+00	1,18E+00	7,05E-01	8,75E-01	1,15E+00	1,03E+00
30	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
40	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
45	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
50	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
60	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
70	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
80	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
90	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
100	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
120	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
180	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
200	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
300	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
360	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
365	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
400	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
500	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
600	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
700	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
800	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
900	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
1000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
2000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
3000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
4000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
5000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
6000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
8000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
10000	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
13500	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
14600	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
18250	6,36E-01	8,96E-01	1,29E+00	1,18E+00	7,06E-01	8,76E-01	1,15E+00	1,03E+00
Eff. Dosis	7,7E-11	1,0E-10	1,4E-10	1,2E-10	5,2E-10	3,7E-10	3,1E-10	2,2E-10
Gebärmutter	3,0E-11	5,2E-11	8,3E-11	7,8E-11	1,9E-11	4,6E-11	8,4E-11	8,1E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Np-239						
Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,44E-01	4,01E-01	6,26E-01	5,87E-01	8,20E-01	7,54E-01
2	4,00E-01	6,17E-01	9,34E-01	8,69E-01	1,17E+00	1,24E+00
3	4,97E-01	7,17E-01	1,05E+00	9,64E-01	1,26E+00	1,59E+00
3,5	5,32E-01	7,47E-01	1,07E+00	9,83E-01	1,27E+00	1,72E+00
4	5,61E-01	7,70E-01	1,09E+00	9,93E-01	1,28E+00	1,84E+00
5	6,06E-01	8,03E-01	1,11E+00	1,00E+00	1,28E+00	2,02E+00
6	6,39E-01	8,26E-01	1,12E+00	1,01E+00	1,28E+00	2,16E+00
7	6,62E-01	8,42E-01	1,13E+00	1,01E+00	1,28E+00	2,26E+00
8	6,80E-01	8,55E-01	1,14E+00	1,02E+00	1,28E+00	2,33E+00
9	6,92E-01	8,64E-01	1,14E+00	1,02E+00	1,28E+00	2,39E+00
10	7,02E-01	8,71E-01	1,14E+00	1,02E+00	1,28E+00	2,43E+00
11	7,09E-01	8,76E-01	1,15E+00	1,02E+00	1,28E+00	2,46E+00
12	7,14E-01	8,79E-01	1,15E+00	1,02E+00	1,28E+00	2,48E+00
13	7,18E-01	8,82E-01	1,15E+00	1,02E+00	1,28E+00	2,50E+00
14	7,21E-01	8,84E-01	1,15E+00	1,02E+00	1,28E+00	2,51E+00
15	7,23E-01	8,85E-01	1,15E+00	1,02E+00	1,28E+00	2,52E+00
20	7,27E-01	8,89E-01	1,15E+00	1,03E+00	1,28E+00	2,54E+00
30	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
40	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
45	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
50	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
60	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
70	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
80	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
90	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
100	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
120	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
180	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
200	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
300	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
360	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
365	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
400	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
500	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
600	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
700	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
800	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
900	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
1000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
2000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
3000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
4000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
5000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
6000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
8000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
10000	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
13500	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
14600	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
18250	7,29E-01	8,90E-01	1,15E+00	1,03E+00	1,28E+00	2,55E+00
Eff. Dosis	6,2E-10	4,3E-10	3,5E-10	2,4E-10	8,5E-11	2,7E-10
Gebärmutter	1,51E-11	4,4E-11	8,3E-11	8,1E-11	1,4E-10	1,0E-10

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Np-239				
Zeit (d)	Inhalation Nitrat			
	0,3 µm	1,0 µm	5 µm	10 µm
1	2,30E-01	3,89E-01	6,16E-01	5,80E-01
2	3,69E-01	5,96E-01	9,25E-01	8,66E-01
3	4,54E-01	6,98E-01	1,06E+00	9,81E-01
3,5	4,85E-01	7,30E-01	1,09E+00	1,01E+00
4	5,11E-01	7,55E-01	1,12E+00	1,03E+00
5	5,51E-01	7,92E-01	1,15E+00	1,06E+00
6	5,81E-01	8,19E-01	1,18E+00	1,08E+00
7	6,02E-01	8,38E-01	1,20E+00	1,09E+00
8	6,18E-01	8,53E-01	1,21E+00	1,10E+00
9	6,30E-01	8,63E-01	1,22E+00	1,11E+00
10	6,38E-01	8,71E-01	1,23E+00	1,12E+00
11	6,45E-01	8,77E-01	1,23E+00	1,12E+00
12	6,50E-01	8,81E-01	1,24E+00	1,12E+00
13	6,53E-01	8,84E-01	1,24E+00	1,13E+00
14	6,56E-01	8,87E-01	1,24E+00	1,13E+00
15	6,58E-01	8,89E-01	1,24E+00	1,13E+00
20	6,62E-01	8,93E-01	1,25E+00	1,13E+00
30	6,63E-01	8,94E-01	1,25E+00	1,13E+00
40	6,64E-01	8,94E-01	1,25E+00	1,13E+00
45	6,64E-01	8,94E-01	1,25E+00	1,13E+00
50	6,64E-01	8,94E-01	1,25E+00	1,13E+00
60	6,64E-01	8,94E-01	1,25E+00	1,13E+00
70	6,64E-01	8,94E-01	1,25E+00	1,13E+00
80	6,64E-01	8,94E-01	1,25E+00	1,13E+00
90	6,64E-01	8,94E-01	1,25E+00	1,13E+00
100	6,64E-01	8,94E-01	1,25E+00	1,13E+00
120	6,64E-01	8,94E-01	1,25E+00	1,13E+00
180	6,64E-01	8,94E-01	1,25E+00	1,13E+00
200	6,64E-01	8,94E-01	1,25E+00	1,13E+00
300	6,64E-01	8,94E-01	1,25E+00	1,13E+00
360	6,64E-01	8,94E-01	1,25E+00	1,13E+00
365	6,64E-01	8,94E-01	1,25E+00	1,13E+00
400	6,64E-01	8,94E-01	1,25E+00	1,13E+00
500	6,64E-01	8,94E-01	1,25E+00	1,13E+00
600	6,64E-01	8,94E-01	1,25E+00	1,13E+00
700	6,64E-01	8,94E-01	1,25E+00	1,13E+00
800	6,64E-01	8,94E-01	1,25E+00	1,13E+00
900	6,64E-01	8,94E-01	1,25E+00	1,13E+00
1000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
2000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
3000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
4000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
5000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
6000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
8000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
10000	6,64E-01	8,94E-01	1,25E+00	1,13E+00
13500	6,64E-01	8,94E-01	1,25E+00	1,13E+00
14600	6,64E-01	8,94E-01	1,25E+00	1,13E+00
18250	6,64E-01	8,94E-01	1,25E+00	1,13E+00
Eff. Dosis	2,4E-10	2,0E-10	2,0E-10	1,6E-10
Gebärmutter	2,6E-11	4,9E-11	8,3E-11	7,9E-11

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cf-252

Zeit (d)	Inhalation Typ F				Inhalation Typ M			
	0,3 µm	1,0 µm	5 µm	10 µm	0,3 µm	1,0 µm	5 µm	10 µm
1	2,79E-01	4,59E-01	7,17E-01	6,73E-01	2,81E-01	4,60E-01	7,18E-01	6,73E-01
2	5,13E-01	7,86E-01	1,19E+00	1,10E+00	5,20E-01	7,91E-01	1,19E+00	1,10E+00
3	7,01E-01	9,84E-01	1,41E+00	1,30E+00	7,18E-01	9,95E-01	1,42E+00	1,30E+00
3,5	7,85E-01	1,06E+00	1,48E+00	1,34E+00	8,08E-01	1,07E+00	1,48E+00	1,34E+00
4	8,65E-01	1,12E+00	1,52E+00	1,37E+00	8,93E-01	1,14E+00	1,53E+00	1,37E+00
5	1,02E+00	1,23E+00	1,59E+00	1,41E+00	1,06E+00	1,26E+00	1,60E+00	1,42E+00
6	1,16E+00	1,34E+00	1,65E+00	1,44E+00	1,22E+00	1,37E+00	1,66E+00	1,45E+00
7	1,31E+00	1,44E+00	1,71E+00	1,47E+00	1,37E+00	1,48E+00	1,72E+00	1,47E+00
8	1,45E+00	1,54E+00	1,76E+00	1,50E+00	1,53E+00	1,59E+00	1,78E+00	1,50E+00
9	1,59E+00	1,64E+00	1,81E+00	1,52E+00	1,68E+00	1,70E+00	1,83E+00	1,52E+00
10	1,73E+00	1,73E+00	1,87E+00	1,55E+00	1,83E+00	1,80E+00	1,89E+00	1,55E+00
11	1,87E+00	1,83E+00	1,92E+00	1,58E+00	1,98E+00	1,91E+00	1,94E+00	1,57E+00
12	2,01E+00	1,93E+00	1,97E+00	1,60E+00	2,13E+00	2,01E+00	1,99E+00	1,60E+00
13	2,15E+00	2,03E+00	2,02E+00	1,63E+00	2,27E+00	2,12E+00	2,05E+00	1,62E+00
14	2,28E+00	2,12E+00	2,08E+00	1,65E+00	2,42E+00	2,22E+00	2,10E+00	1,65E+00
15	2,42E+00	2,22E+00	2,13E+00	1,68E+00	2,56E+00	2,33E+00	2,15E+00	1,67E+00
20	3,10E+00	2,70E+00	2,39E+00	1,81E+00	3,27E+00	2,83E+00	2,41E+00	1,79E+00
30	4,46E+00	3,65E+00	2,90E+00	2,06E+00	4,66E+00	3,82E+00	2,92E+00	2,02E+00
40	5,79E+00	4,60E+00	3,41E+00	2,31E+00	6,00E+00	4,78E+00	3,41E+00	2,25E+00
45	6,45E+00	5,06E+00	3,66E+00	2,43E+00	6,66E+00	5,25E+00	3,65E+00	2,36E+00
50	7,11E+00	5,53E+00	3,91E+00	2,55E+00	7,30E+00	5,72E+00	3,89E+00	2,47E+00
60	8,42E+00	6,45E+00	4,41E+00	2,80E+00	8,58E+00	6,63E+00	4,35E+00	2,68E+00
70	9,72E+00	7,36E+00	4,90E+00	3,04E+00	9,82E+00	7,51E+00	4,80E+00	2,89E+00
80	1,10E+01	8,27E+00	5,39E+00	3,28E+00	1,10E+01	8,38E+00	5,25E+00	3,10E+00
90	1,23E+01	9,17E+00	5,87E+00	3,51E+00	1,22E+01	9,22E+00	5,68E+00	3,30E+00
100	1,35E+01	1,01E+01	6,35E+00	3,75E+00	1,34E+01	1,01E+01	6,10E+00	3,49E+00
120	1,60E+01	1,18E+01	7,30E+00	4,21E+00	1,56E+01	1,17E+01	6,92E+00	3,87E+00
180	2,32E+01	1,69E+01	1,00E+01	5,55E+00	2,18E+01	1,61E+01	9,19E+00	4,92E+00
200	2,56E+01	1,85E+01	1,09E+01	5,98E+00	2,37E+01	1,75E+01	9,90E+00	5,24E+00
300	3,66E+01	2,63E+01	1,51E+01	8,03E+00	3,26E+01	2,38E+01	1,31E+01	6,74E+00
360	4,28E+01	3,06E+01	1,74E+01	9,18E+00	3,74E+01	2,72E+01	1,49E+01	7,56E+00
365	4,33E+01	3,10E+01	1,76E+01	9,27E+00	3,78E+01	2,75E+01	1,51E+01	7,63E+00
400	4,67E+01	3,34E+01	1,89E+01	9,92E+00	4,04E+01	2,94E+01	1,60E+01	8,07E+00
500	5,60E+01	4,00E+01	2,25E+01	1,16E+01	4,74E+01	3,44E+01	1,86E+01	9,28E+00
600	6,45E+01	4,60E+01	2,57E+01	1,32E+01	5,39E+01	3,90E+01	2,10E+01	1,04E+01
700	7,24E+01	5,15E+01	2,87E+01	1,47E+01	5,97E+01	4,32E+01	2,31E+01	1,14E+01
800	7,97E+01	5,67E+01	3,15E+01	1,61E+01	6,52E+01	4,71E+01	2,51E+01	1,23E+01
900	8,64E+01	6,14E+01	3,40E+01	1,73E+01	7,01E+01	5,06E+01	2,69E+01	1,31E+01
1000	9,26E+01	6,57E+01	3,64E+01	1,85E+01	7,47E+01	5,39E+01	2,86E+01	1,39E+01
2000	1,34E+02	9,45E+01	5,19E+01	2,61E+01	1,05E+02	7,55E+01	3,97E+01	1,91E+01
3000	1,52E+02	1,08E+02	5,90E+01	2,95E+01	1,19E+02	8,54E+01	4,48E+01	2,14E+01
4000	1,61E+02	1,14E+02	6,23E+01	3,11E+01	1,25E+02	8,99E+01	4,72E+01	2,25E+01
5000	1,65E+02	1,17E+02	6,38E+01	3,19E+01	1,28E+02	9,21E+01	4,82E+01	2,30E+01
6000	1,67E+02	1,18E+02	6,45E+01	3,22E+01	1,30E+02	9,30E+01	4,88E+01	2,33E+01
8000	1,68E+02	1,19E+02	6,50E+01	3,25E+01	1,31E+02	9,37E+01	4,91E+01	2,34E+01
10000	1,68E+02	1,19E+02	6,51E+01	3,25E+01	1,31E+02	9,39E+01	4,92E+01	2,35E+01
13500	1,68E+02	1,19E+02	6,52E+01	3,26E+01	1,31E+02	9,39E+01	4,92E+01	2,35E+01
14600	1,68E+02	1,19E+02	6,52E+01	3,26E+01	1,31E+02	9,39E+01	4,92E+01	2,35E+01
18250	1,68E+02	1,19E+02	6,52E+01	3,26E+01	1,31E+02	9,39E+01	4,92E+01	2,35E+01
Eff. Dosis	9,0E-06	6,2E-06	3,6E-06	1,9E-06	9,9E-06	7,0E-06	4,0E-06	2,1E-06
Gebärmutter	7,6E-07	5,4E-07	2,9E-07	1,5E-07	5,2E-07	3,7E-07	2,0E-07	9,5E-08

Anhang 7.2.1: Chronische Zufuhr, Ganzkörperretention in Bq/(Bq d⁻¹)

Cf-252

Zeit (d)	Inhalation Typ S				Ingestion	Injektion
	0,3 µm	1,0 µm	5 µm	10 µm		
1	2,81E-01	4,60E-01	7,18E-01	6,73E-01	9,41E-01	9,21E-01
2	5,22E-01	7,92E-01	1,19E+00	1,10E+00	1,48E+00	1,79E+00
3	7,22E-01	9,98E-01	1,42E+00	1,30E+00	1,66E+00	2,64E+00
3,5	8,13E-01	1,08E+00	1,48E+00	1,34E+00	1,69E+00	3,05E+00
4	9,01E-01	1,14E+00	1,53E+00	1,38E+00	1,70E+00	3,47E+00
5	1,07E+00	1,27E+00	1,60E+00	1,42E+00	1,71E+00	4,29E+00
6	1,23E+00	1,38E+00	1,67E+00	1,45E+00	1,71E+00	5,11E+00
7	1,39E+00	1,49E+00	1,72E+00	1,47E+00	1,72E+00	5,92E+00
8	1,55E+00	1,61E+00	1,78E+00	1,50E+00	1,72E+00	6,74E+00
9	1,70E+00	1,72E+00	1,84E+00	1,52E+00	1,72E+00	7,55E+00
10	1,86E+00	1,82E+00	1,89E+00	1,55E+00	1,72E+00	8,36E+00
11	2,01E+00	1,93E+00	1,95E+00	1,58E+00	1,72E+00	9,17E+00
12	2,16E+00	2,04E+00	2,00E+00	1,60E+00	1,72E+00	9,98E+00
13	2,31E+00	2,15E+00	2,05E+00	1,62E+00	1,72E+00	1,08E+01
14	2,46E+00	2,25E+00	2,11E+00	1,65E+00	1,72E+00	1,16E+01
15	2,60E+00	2,36E+00	2,16E+00	1,67E+00	1,72E+00	1,24E+01
20	3,33E+00	2,88E+00	2,42E+00	1,79E+00	1,72E+00	1,64E+01
30	4,74E+00	3,89E+00	2,93E+00	2,02E+00	1,72E+00	2,43E+01
40	6,11E+00	4,88E+00	3,43E+00	2,25E+00	1,73E+00	3,22E+01
45	6,78E+00	5,36E+00	3,67E+00	2,36E+00	1,73E+00	3,61E+01
50	7,45E+00	5,84E+00	3,91E+00	2,46E+00	1,73E+00	3,99E+01
60	8,75E+00	6,77E+00	4,38E+00	2,68E+00	1,74E+00	4,76E+01
70	1,00E+01	7,68E+00	4,84E+00	2,88E+00	1,74E+00	5,52E+01
80	1,13E+01	8,57E+00	5,29E+00	3,09E+00	1,74E+00	6,28E+01
90	1,25E+01	9,44E+00	5,73E+00	3,28E+00	1,75E+00	7,03E+01
100	1,36E+01	1,03E+01	6,15E+00	3,48E+00	1,75E+00	7,77E+01
120	1,59E+01	1,19E+01	6,97E+00	3,85E+00	1,76E+00	9,23E+01
180	2,20E+01	1,63E+01	9,20E+00	4,86E+00	1,78E+00	1,35E+02
200	2,39E+01	1,77E+01	9,88E+00	5,16E+00	1,79E+00	1,48E+02
300	3,21E+01	2,36E+01	1,29E+01	6,51E+00	1,82E+00	2,13E+02
360	3,62E+01	2,65E+01	1,44E+01	7,20E+00	1,84E+00	2,49E+02
365	3,66E+01	2,68E+01	1,45E+01	7,25E+00	1,84E+00	2,52E+02
400	3,88E+01	2,84E+01	1,53E+01	7,62E+00	1,85E+00	2,72E+02
500	4,43E+01	3,24E+01	1,73E+01	8,54E+00	1,88E+00	3,27E+02
600	4,90E+01	3,58E+01	1,90E+01	9,33E+00	1,90E+00	3,77E+02
700	5,31E+01	3,87E+01	2,05E+01	1,00E+01	1,92E+00	4,23E+02
800	5,67E+01	4,13E+01	2,18E+01	1,06E+01	1,95E+00	4,66E+02
900	5,99E+01	4,36E+01	2,30E+01	1,12E+01	1,96E+00	5,05E+02
1000	6,28E+01	4,57E+01	2,41E+01	1,16E+01	1,98E+00	5,42E+02
2000	8,10E+01	5,88E+01	3,08E+01	1,47E+01	2,10E+00	7,82E+02
3000	8,94E+01	6,48E+01	3,39E+01	1,62E+01	2,16E+00	8,91E+02
4000	9,33E+01	6,77E+01	3,53E+01	1,68E+01	2,18E+00	9,42E+02
5000	9,52E+01	6,90E+01	3,60E+01	1,71E+01	2,19E+00	9,66E+02
6000	9,61E+01	6,96E+01	3,63E+01	1,73E+01	2,20E+00	9,77E+02
8000	9,67E+01	7,01E+01	3,65E+01	1,74E+01	2,20E+00	9,84E+02
10000	9,68E+01	7,02E+01	3,66E+01	1,74E+01	2,21E+00	9,86E+02
13500	9,68E+01	7,02E+01	3,66E+01	1,74E+01	2,21E+00	9,87E+02
14600	9,68E+01	7,02E+01	3,66E+01	1,74E+01	2,21E+00	9,87E+02
18250	9,68E+01	7,02E+01	3,66E+01	1,74E+01	2,21E+00	9,87E+02
Eff. Dosis	1,8E-05	1,3E-05	8,1E-06	4,6E-06	2,5E-08	4,2E-05
Gebärmutter	5,0E-08	3,8E-08	2,5E-08	1,5E-08	1,4E-08	4,5E-06