

**Disposition of Radioactivity in Tissues 7 Days Following Oral Gavage Administration
of 30 mg/kg [¹⁴C]p-Chloroaniline to Male Fischer 344 Rats – Group 3^a**

Percent Dose Recovered in Tissues (7 days)

Tissue	Rat 16	Rat 17	Rat 18	% Dose in Tissue Mean ± SD
Brain	0.005	0.008	0.007	0.007 ± 0.001
Lung	0.064	0.023	0.023	0.037 ± 0.027
Liver	0.091	0.113	0.145	0.116 ± 0.027
Kidney	0.025	0.026	0.017	0.023 ± 0.005
Spleen	0.032	0.037	0.030	0.033 ± 0.004
Small Intestine	0.015	0.020	0.018	0.018 ± 0.003
Large Intestine	0.007	0.012	0.002	0.007 ± 0.005
Fat	0.058	0.027	0.046	0.044 ± 0.016
Testes	0.005	0.004	0.003	0.004 ± 0.001
Muscle	0.114	0.140	0.088	0.114 ± 0.026
Skin	0.125	0.091	0.086	0.100 ± 0.021
Blood	2.16	2.25	2.19	2.20 ± 0.05
Plasma	N/D ^b	N/D	N/D	–
Subtotal	2.70	2.75	2.65	2.70 ± 0.050

Disposition Summary [Dose Recovered (%)]

Tissue	Rat 16	Rat 17	Rat 18	Percent Dose Mean ± SD
Tissue	2.70	2.75	2.65	2.70 ± 0.050
Excreta	–	–	–	–
Urine	84.13	84.21	85.56	84.63 ± 0.80
Feces	9.02	7.35	9.15	8.51 ± 1.00
Total	95.85	94.31	97.36	95.84 ± 1.52

Tissue to Blood Ratio (7 days)

Tissue	Rat 16	Rat 17	Rat 18	Tissue/Blood Ratio Mean ± SD
Brain	0.031	0.037	0.052	0.040 ± 0.011
Lung	0.271	0.136	0.171	0.193 ± 0.070
Liver	0.095	0.124	0.166	0.129 ± 0.036
Kidney	0.108	0.132	0.087	0.109 ± 0.022
Spleen	0.473	0.633	0.407	0.504 ± 0.117
Small Intestine	0.024	0.026	0.032	0.027 ± 0.004
Large Intestine	0.021	0.026	0.016	0.021 ± 0.005
Fat	0.031	0.047	0.027	0.035 ± 0.010
Testes	0.016	0.016	0.012	0.015 ± 0.002
Muscle	0.009	0.011	0.007	0.009 ± 0.002
Skin	0.029	0.023	0.022	0.025 ± 0.004

^a Values are mean ± standard deviation (SD) for three rats. The actual oral dose was 24.90 mg/kg for rats 16 (202 g), 17 (200 g), and 18 (202 g), (ca. 38 µCi/kg).

^b ND = none detected.

^c Concentration is nanomoles p-chloroaniline (as total ¹⁴C equivalents).

**Disposition of Radioactivity in Tissues 7 Days Following Oral Gavage Administration
of 30 mg/kg [¹⁴C]p-Chloroaniline to Male Fischer 344 Rats – Group 3^a (continued)**

Concentration in Tissues (7 Days) in Nanomole-equivalents^c

Tissue	Rat 16	Rat 17	Rat 18	nmol-eq Mean ± SD
Brain	2.09	2.98	2.61	2.56 ± 0.45
Lung	25.11	9.14	9.04	14.43 ± 9.25
Liver	35.44	44.19	56.55	45.39 ± 10.61
Kidney	9.83	10.03	6.68	8.85 ± 1.88
Spleen	12.54	14.63	11.57	12.91 ± 1.56
Small Intestine	5.74	7.68	7.18	6.87 ± 1.01
Large Intestine	2.57	4.61	0.77	2.65 ± 1.92
Fat	22.64	10.64	18.12	17.13 ± 6.09
Testes	1.76	1.39	1.29	1.48 ± 0.25
Muscle	44.56	54.85	34.25	44.56 ± 10.30
Skin	48.78	35.39	33.58	39.25 ± 8.31
Blood	843	881	857	860 ± 19.2
Plasma	–	–	–	–
Subtotal	1054	1077	1039	1056 ± 19.1

Disposition Summary [Nanomoles p-Chloroaniline (as total ¹⁴C equivalents)]

Sample	Rat 16	Rat 17	Rat 18	nmol-eq Mean ± SD
Tissue	1054	1077	1039	1056 ± 19.1
Excreta	–	–	–	–
Urine	32852	32913	33382	33049 ± 290
Feces	3225	2881	3580	3229 ± 350
Total	37131	36871	38001	37334 ± 592

^a Values are mean ± standard deviation (SD) for three rats. The actual oral dose was 24.90 mg/kg for rats 16 (202 g), 17 (200 g), and 18 (202 g), (ca. 38 µCi/kg).

^b ND = none detected.

^c Concentration is nanomoles p-chloroaniline (as total ¹⁴C equivalents).