

**Disposition of Radioactivity 6 Days Following Intravenous Administration of 3.6 mg/kg [<sup>14</sup>C]1,2,3-Trichloropropane to Male Fischer 344 Rats – Group 4**

Distribution in Tissues (15 minutes to 6 days)<sup>a</sup>  
Percent Dose Recovered Versus Time

Tissue	15 minutes	30 minutes	1 hour	2 hours	4 hours	8 hours	1 day	2 days	4 days	6 days
Brain	0.47 ± 0.06	0.21 ± 0.03	0.27 ± 0.04	0.17 ± 0.03	0.21 ± 0.08	0.14 ± 0.01	0.067± 0.008	0.041± 0.015	0.046± 0.010	0.033± 0.003
Lungs	0.21 ± 0.06	0.13 ± 0.03	0.30 ± 0.10	0.18 ± 0.02	0.16 ± 0.03	0.11 ± 0.02	0.079± 0.018	0.048± 0.009	0.043± 0.002	0.028± 0.004
Liver	4.49 ± 1.02	3.23 ± 1.03	7.25 ± 1.31	6.82 ± 0.92	5.60 ± 0.22	4.36 ± 0.52	1.81 ± 0.46	1.31 ± 0.19	1.08 ± 0.21	0.77 ± 0.02
Kidneys	1.09 ± 0.12	0.96 ± 0.18	2.57 ± 0.65	2.76 ± 0.21	2.29 ± 0.21	1.75 ± 0.07	0.62 ± 0.13	0.41 ± 0.06	0.27 ± 0.06	0.19 ± 0.03
Spleen	0.052± 0.002	0.042± 0.002	0.092± 0.012	0.066± 0.008	0.061± 0.009	0.051± 0.009	0.024± 0.003	0.014± 0.004	0.016± 0.002	0.012± 0.002
Small Intestine	1.25 ± 0.62	2.47 ± 1.87	9.29 ± 4.32	8.01 ± 4.78	3.81 ± 0.56	1.27 ± 0.23	0.32 ± 0.15	0.14 ± 0.03	0.073± 0.006	0.046± 0.002
Large Intestine	0.37 ± 0.43	0.19 ± 0.06	0.25 ± 0.08	0.32 ± 0.11	0.88 ± 0.72	2.01 ± 1.52	0.12 ± 0.04	0.041± 0.004	0.021± 0.003	0.016± 0.002
Testes	0.31 ± 0.03	0.15 ± 0.08	0.41 ± 0.08	0.25 ± 0.04	0.24 ± 0.03	0.17 ± 0.01	0.054± 0.005	0.034± 0.020	0.037± 0.011	0.023± 0.006
Epididymides	NC <sup>b</sup>	0.13 ± 0.10	0.29 ± 0.19	0.14 ± 0.14	NC	NC	NC	0.014± 0.001	0.013± 0.003	0.011± 0.001
Adipose Tissue	37.32 ± 5.62	25.04 ± 2.09	23.81 ± 9.38	16.88 ± 6.30	5.02 ± 2.49	3.29 ± 0.55	0.33 ± 0.02	0.29 ± 0.25	0.19 ± 0.04	0.15 ± 0.02
Skin	16.06 ± 6.63	8.21 ± 4.80	7.60 ± 3.13	4.86 ± 0.09	3.98 ± 1.48	3.63 ± 0.69	1.13 ± 0.11	0.71 ± 0.07	0.51 ± 0.15	0.43 ± 0.04
Muscle	17.98 ± 1.17	7.15 ± 0.25	10.48 ± 2.39	6.88 ± 0.46	6.81 ± 1.28	3.75 ± 0.38	1.74 ± 0.10	0.97 ± 0.44	1.04 ± 0.12	0.94 ± 0.17
Blood	3.73 ± 0.24	3.31 ± 1.21	4.64 ± 0.12	3.09 ± 0.22	2.32 ± 0.24	1.55 ± 0.08	0.88 ± 0.02	0.64 ± 0.09	0.64 ± 0.08	0.48 ± 0.04
Total in tissues	83.33 ± 2.56	51.22 ± 1.57	67.25 ± 3.09	50.43 ± 2.21	31.38 ± 0.96	22.01 ± 0.55	7.17 ± 0.15	4.65 ± 0.16	3.98 ± 0.08	3.13 ± 0.05

<sup>a</sup>All values expressed as mean ± standard deviation. The target dose was 3.6 mg/kg body weight (~ 14  $\mu$ Ci/mg). The actual dose delivered was 3.6 ± 0.4 mg (24.4  $\mu$ mol)/kg (2.08 ± 0.24  $\mu$ Ci/ $\mu$ mol) for the n = 30 rats used for urine, feces and tissue collection (Group 4). N = 3 per time point for Group 4.

<sup>b</sup>NC = not collected

Disposition Summary<sup>a</sup>  
Percent Dose Recovered in Excreta and Tissues (15 minutes to 6 days)

Sample	15 minutes	30 minutes	1 hour	2 hours	4 hours	8 hours	1day	2 days	4 days	6 days
Excreta <sup>b</sup>	3.1	5.0	22.1	44.1	52.2	77.8	88.6	95.9	96.8	99.3
Tissues	83.3	51.2	67.3	50.4	31.4	22.0	7.1	4.7	3.98	3.1
<b>Total</b>	<b>86.4</b>	<b>56.2</b>	<b>89.4</b>	<b>94.5</b>	<b>83.6</b>	<b>99.8</b>	<b>95.7</b>	<b>100.6</b>	<b>102.6 [sic]</b>	<b>102.4</b>

<sup>a</sup>All values expressed as means. The dose was 3.6 mg/kg body weight.

<sup>b</sup>Excreta includes cumulative percent dose recovered for urine, feces, and expired air. However, the expired air was not collected at 15 minutes or after 1 day. The 15 minute value was an estimate obtained by halving the 30-minute measurement. The 1-day measurement was used for estimating excreta totals at subsequent times.