

**Disposition of Radioactivity 48 Hours Following Dermal Administration
of 100 mg/kg [¹⁴C]1-Bromopropane to Male Fischer 344 Rats (Study A4)**

Disposition Summary [Dose Recovered (%)]^a

Sample	% Dose Recovered Mean ± SD
Excreta	—
Urine	1.2 ± 0.4
Feces	0.1 ± 0.0
Exhaled [¹⁴ C]CO ₂	1.7 ± 0.3
Breath [¹⁴ C]Volatiles by Ethanol	37.4 ± 2.9
Dose Site Tissue	0.01 ± 0.00
Carcass	0.04 ± 0.02
Tissues	0.28 ± 0.06
Appliance, skin washes, etc.	35.7 ± 1.6
Total % Dose Recovered	76.4 ± 2.4

Distribution in Tissues (48 hours)^a

Tissue	ng-eq per g Tissue Mean	ng-eq per g Tissue SD	TBR ^b Mean	TBR SD	% Dose in Total Tissue ^c Mean	% Dose in Total Tissue SD
Adipose ^d	154	33	0.41	0.04	0.025	0.005
Bladder	419	240	1.07	0.40	0.000	0.000
Blood	376	66	Unity	—	0.042	0.007
Brain	237	76	0.63	0.16	0.003	0.001
Heart	363	75	0.96	0.08	0.002	0.000
Kidney	779	168	2.06	0.17	0.010	0.002
Liver	1644	451	4.34	0.81	0.102	0.027
Lung	489	66	1.31	0.12	0.003	0.001
Muscle ^d	112	33	0.30	0.06	0.069	0.020
Plasma	373	87	0.99	0.11	0.020	0.005
Skin, Ears	356	152	0.93	0.25	0.103	0.044
Spleen	564	124	1.50	0.16	0.002	0.001
Testes	210	50	0.56	0.07	0.004	0.001
Small Intestine ^e	NA ^g	—	NA	—	0.025	0.006
Large Intestine ^e	NA	—	NA	—	0.008	0.002
Cecum ^e	NA	—	NA	—	0.007	0.002
Stomach ^e	NA	—	NA	—	0.004	0.001
Carcass ^f	NA	—	NA	—	0.04	0.02

^a Values are mean ± standard deviation (SD) for six rats. The average dose received was ca. 96 mg/kg of 1-bromopropane. The average amount of radioactivity received was ca. 46.3 µCi/rat.

^b TBR = tissue/blood ratio

^c Percent dose was calculated using the following values for the mass of total tissue, expressed as percent of body: adipose, 10.6%; blood, 7.4%; muscle, 40.43%; skin, 19.03%; and plasma, 3.5%.

^d Adipose and muscle values are averaged results for two sampling locations.

^e Includes contents.

^f Carcass values are based on the residual digested carcass after the removal of the listed tissues (i.e., percent dose measured in skin, adipose, blood, and muscle was subtracted from the total percent dose measured in the carcass.)

^g NA Not applicable.