

**Distribution of Radioactivity 48 Hours Following Intravenous Administration of [¹⁴C]Sulfolane
(100 mg/kg) to Male Harlan Sprague Dawley Rats – Group 13**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	13_01	13_02	13_03	13_04	Mean	SD
Urine	0 to 8	5.8	13.4	14.0	13.5	11.7	3.9
Urine	8 to 24	42.5	51.2	60.3	57.4	52.9	7.9
Urine	24 to 48 ^a	8.1	6.1	6.9	8.7	7.4	1.1
-	Subtotal	56.4	70.7	81.2	79.6	72.0	11.4
Cage Rinse	0 to 8	17.9	11.4	6.02	9.95	11.3	4.9
Cage Rinse	8 to 24	12.8	9.05	5.25	2.87	7.5	4.4
Cage Rinse	24 to 48	3.61	1.86	1.31	0.92	1.9	1.2
-	Subtotal	34.3	22.3	12.6	13.7	20.7	10.0
Urine + Cage Rinse	Subtotal	90.7	93.0	93.8	93.3	92.7	1.4
Feces	0 to 24	2.87	1.9	1.73	1.48	2.0	0.6
Feces	24 to 48	0.7	0.7	0.61	0.45	0.6	0.1
-	Subtotal	3.6	2.6	2.3	1.9	2.6	0.7
Total	-	94.2	95.6	96.2	95.2	95.3	0.8

Distribution in Tissues (48 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	245	56.5	0.028	0.006	0.018	0.005
Bladder	1920	762	0.228	0.076	<0.005	-
Blood	8340	557	1.000	-	0.613	0.039
Brain	960	110	0.115	0.009	0.01	0.00
Cecum	1320	398	0.156	0.037	<0.005	-
Heart	1880	160	0.225	0.004	0.01	0.00
Kidney	2600	235	0.312	0.008	0.02	0.00
Large Intestine	1340	302	0.160	0.025	0.01	0.00
Liver	2330	275	0.279	0.015	0.08	0.008
Lung	2190	143	0.262	0.008	0.01	0.00
Muscle (hind leg)	555	132	0.065	0.012	0.218	0.05
Pancreas	1110	164	0.133	0.012	0.005	0.006
Plasma	548	157	0.064	0.014	<0.005 ^d	-
Skin (abdominal)	1720	463	0.208	0.064	0.325	0.087
Small Intestine	1310	286	0.156	0.024	0.02	0.00
Spleen	2510	173	0.301	0.008	0.01	0.00
Stomach	1290	155	0.154	0.008	0.01	0.00
Testes	1060	139	0.127	0.009	0.013	0.005
Thyroid	17300	4310	2.070	0.467	<0.005	-
Total	-	-	-	-	1.35	0.102

Disposition Summary – Percent of Dose Recovered

Sample	13_01	13_02	13_03	13_04	Mean	SD
Urine ^{a, c}	90.7	93.0	93.8	93.3	92.7	1.40
Feces	3.57	2.60	2.34	1.93	2.61	0.70
GI Tract Contents	0.04	0.04	0.05	0.01	0.04	0.02
Tissues	1.47	1.36	1.22	1.36	1.35	0.102
Total	95.7	97.0	97.4	96.6	96.7	0.7

^a Includes urine present in bladder at time of sacrifice. §

^b Tissue weights for dispersed tissues were calculated based on body weight as follows: adipose 7.0%, muscle 40.4%, skin 19%, § and blood 7.4%.

^c Includes cage rinse.

^d Plasma recovery based on analyzed aliquots only.