

**Distribution of Radioactivity 48 Hours Following Gavage Administration of [¹⁴C]Sulfolane
(100 mg/kg) to Male Harlan Sprague Dawley Rats – Group 2**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	2_01	2_02	2_03	2_04	Mean	SD
Urine	0 to 8	11.1	14.4	14.5	18.2	14.6	2.92
Urine	8 to 24	61.9	45.2	46.5	46.4	50.0	7.95
Urine	24 to 48 ^a	5.92	10.2	9.84	3.35	7.33	3.29
-	Subtotal	78.9	69.9	70.8	68	71.9	4.81
Cage Rinse	0 to 8	3.02	11.9	11.4	7.52	8.44	4.11
Cage Rinse	8 to 24	10.1	8.12	10.7	12.7	10.4	1.87
Cage Rinse	24 to 48	1.08	1.59	1.31	2.85	1.71	0.791
-	Subtotal	14.2	21.6	23.4	23	20.6	4.28
Urine + Cage Rinse	Subtotal	93.1	91.5	94.2	91.0	92.5	1.47
Feces	0 to 24	1.68	2.44	1.76	3.44	2.33	0.814
Feces	24 to 48	0.68	0.52	0.65	0.56	0.602	0.072
-	Subtotal	2.4	3.0	2.4	4.0	2.93	0.763
Total	-	95.5	94.5	96.6	95.0	95.4	0.910

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	274	45.8	0.032	0.006	0.023	0.005
Bladder	2010	747	0.221	0.076	<0.005	-
Blood	9070	296	1	0	0.653	0.025
Brain	900	52.9	0.098	0.004	0.005	0.006
Cecum	1650	329	0.18	0.036	<0.005	-
Heart	2380	379	0.262	0.039	0.01	0
Kidney	2490	535	0.274	0.062	0.018	0.005
Large Intestine	1380	102	0.152	0.009	0.01	0
Liver	2940	669	0.324	0.066	0.103	0.025
Lung	2080	280	0.229	0.024	0.013	0.005
Muscle (hind leg)	968	89.4	0.107	0.009	0.375	0.021
Pancreas	1160	63.5	0.127	0.006	0.008	0.005
Plasma	571	47.8	0.062	0.004	<0.005 ^d	-
Skin (abdominal)	1840	974	0.204	0.11	0.335	0.164
Small Intestine	1360	112	0.151	0.012	0.02	0
Spleen	2560	214	0.283	0.019	0.008	0.005
Stomach	1460	73.5	0.161	0.002	0.01	0
Testes	1050	67.8	0.116	0.007	0.01	0
Thyroid	2170	833	0.239	0.087	<0.005	-
Total	-	-	-	-	1.58	0.151

Disposition Summary – Percent of Dose Recovered

Sample	2_01	2_02	2_03	2_04	Mean	SD
Urine ^{a, c}	93.1	91.5	94.2	91.0	92.45	1.47
Feces	2.35	2.96	2.40	4.00	2.93	0.763
Tissues	1.46	1.8	1.51	1.55	1.58	0.151
GI Tract Contents	0.02	0.01	0.06	0.02	0.028	0.019
Total	96.9	96.3	98.2	96.6	97.0	0.83

^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.