

**Distribution of Radioactivity 48 Hours Following Gavage Administration of [¹⁴C]Sulfolane
(100 mg/kg) to Female Harlan Sprague Dawley Rats – Group 5**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	5_01	5_02	5_03	5_04	Mean	SD
Urine	0 to 8	7.28	10.9	13.4	8.67	10.1	2.66
Urine	8 to 24	35.1	45	41	27.3	37.1	7.72
Urine	24 to 48 ^a	7.27	5	2.02	10.3	6.14	3.49
-	Subtotal	49.7	60.9	56.4	46.2	53.3	6.62
Cage Rinse	0 to 8	19.2	19.2	14.9	14.8	17	2.53
Cage Rinse	8 to 24	19.1	12	10.1	27.3	17.1	7.81
Cage Rinse	24 to 48	3.46	1.81	2.54	3.29	2.77	0.755
-	Subtotal	41.8	33	27.5	45.4	36.9	8.12
Urine + Cage Rinse	Subtotal	91.5	93.9	83.9	91.6	90.2	4.36
Feces	0 to 24	1.86	1.51	9.05	2.11	3.63	3.62
Feces	24 to 48	0.37	0.42	2.39	0.78	0.989	0.952
-	Subtotal	2.2	1.9	11.4	2.9	4.62	4.56
Total	-	93.7	95.8	95.3	94.5	94.8	0.922

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	409	136	0.027	0.01	0.03	0.008
Bladder	1200	319	0.081	0.028	<0.005	-
Blood	15300	2660	1	0	1.11	0.222
Brain	870	115	0.058	0.014	0.01	0
Cecum	1430	279	0.095	0	<0.005	-
Heart	1750	332	0.119	0.034	0.01	0
Kidney	2460	250	0.166	0.037	0.02	0
Large Intestine	1330	51	0.088	0.013	0.01	0
Liver	2220	191	0.149	0.03	0.078	0.01
Lung	2360	333	0.159	0.038	0.013	0.005
Muscle (hind leg)	922	89.3	0.061	0.01	0.363	0.036
Ovaries	1150	314	0.076	0.026	<0.005	-
Pancreas	1170	216	0.079	0.022	0.01	0
Plasma	591	90.3	0.039	0.009	<0.005 ^d	-
Skin (abdominal)	1380	233	0.092	0.022	0.26	0.041
Small Intestine	1440	290	0.096	0.028	0.025	0.006
Spleen	2770	399	0.187	0.048	0.01	0
Stomach	1390	81	0.093	0.018	0.01	0
Thyroid	1540	435	0.104	0.038	<0.005	-
Uterus with Fallopian Tubes	1300	369	0.088	0.034	<0.005	-
Total	-	-	-	-	1.94	0.251

Disposition Summary – Percent of Dose Recovered

Sample	5_01	5_02	5_03	5_04	Mean	SD
Urine ^{a, c}	91.5	93.9	83.9	91.6	90.23	4.36
Feces	2.23	1.94	11.4	2.88	4.62	4.56
Tissues	1.89	2.25	1.64	1.96	1.94	0.251
GI Tract Contents	0.08	0.04	0.02	0.04	0.043	0.023
Total	95.7	98.1	97.0	96.5	96.82	1.02

^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.