

### Distribution of Radioactivity 24 Hours Following Gavage Administration of [<sup>14</sup>C]Sulfolane (100 mg/kg) to Male Harlan Sprague Dawley Rats – Group 4

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	4_01	4_02	4_03	4_04	Mean	SD
Urine	0 to 8	18.1	12.1	9.98	6.07	11.6	5.03
Urine	8 to 24 <sup>a</sup>	48.9	53.1	53.2	48	50.8	2.74
-	<b>Subtotal</b>	<b>67</b>	<b>65.3</b>	<b>63.2</b>	<b>54.1</b>	<b>62.4</b>	<b>5.75</b>
Cage Rinse	0 to 8	8.42	8.97	11.6	6.94	8.99	1.95
Cage Rinse	8 to 24	14	7.49	12.6	24.2	14.6	7.01
-	<b>Subtotal</b>	<b>22.5</b>	<b>16.5</b>	<b>24.2</b>	<b>31.2</b>	<b>23.6</b>	<b>6.05</b>
<b>Urine + Cage Rinse</b>	<b>Subtotal</b>	<b>89.5</b>	<b>81.8</b>	<b>87.4</b>	<b>85.3</b>	<b>86.0</b>	<b>3.28</b>
Feces	0 to 24	2.3	3.39	3.46	1.95	2.78	0.76
<b>Total</b>	-	<b>91.8</b>	<b>85.2</b>	<b>90.9</b>	<b>87.3</b>	<b>88.8</b>	<b>3.09</b>

Distribution in Tissues (24 h)

Tissue <sup>b</sup>	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	1720	563	0.21	0.071	0.123	0.044
Bladder	33900	15500	4.37	2.61	0.01	0.008
Blood	8300	1660	1	0	0.623	0.121
Brain	7970	3580	0.966	0.455	0.053	0.022
Cecum	13800	3820	1.69	1	0.028	0.01
Heart	11000	4360	1.34	0.56	0.058	0.024
Kidney	15100	6570	1.83	0.832	0.108	0.052
Large Intestine	12700	3720	1.54	0.481	0.073	0.022
Liver	11400	4350	1.39	0.562	0.405	0.181
Lung	11700	4910	1.41	0.623	0.07	0.026
Muscle (hind leg)	8900	4210	1.08	0.55	3.62	1.75
Pancreas	8120	2990	0.985	0.377	0.048	0.024
Plasma	10100	4960	1.22	0.636	0.005 <sup>d</sup>	0.002
Skin (abdominal)	8440	1820	1.04	0.296	1.63	0.373
Small Intestine	11300	4130	1.38	0.507	0.15	0.05
Spleen	11200	4270	1.37	0.558	0.023	0.01
Stomach	10100	4440	1.23	0.562	0.053	0.026
Testes	11000	4540	1.34	0.58	0.138	0.05
Thyroid	16400	6830	2.01	0.939	<0.005	-
<b>Total</b>	-	-	-	-	<b>7.18</b>	<b>2.64</b>

Disposition Summary – Percent of Dose Recovered

Sample	4_01	4_02	4_03	4_04	Mean	SD
Urine <sup>a, c</sup>	89.5	81.8	87.4	85.3	86.0	3.28
Feces	2.30	3.39	3.46	1.95	2.78	0.76
Tissues	5.45	10.7	4.9	7.68	7.18	2.64
GI Tract Contents	0.49	0.73	0.30	0.58	0.523	0.182
<b>Total</b>	<b>97.7</b>	<b>96.6</b>	<b>96.1</b>	<b>95.5</b>	<b>96.48</b>	<b>0.95</b>

<sup>a</sup> Includes urine present in bladder at time of sacrifice.

<sup>b</sup> 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%.

<sup>c</sup> Includes cage rinse.

<sup>d</sup> Plasma recovery based on analyzed aliquots only.