

**Distribution of Radioactivity 48 Hours Following Dermal Administration of [<sup>14</sup>C]Sulfolane  
(100 mg/kg) to Female Harlan Sprague Dawley Rats – Group 10**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	10_01	10_03	10_04	Mean	SD
Urine	0 to 8	0.8	0.1	0.2	0.4	0.4
Urine	8 to 24	3.0	3.5	4.4	3.7	0.7
Urine	24 to 48 <sup>a</sup>	4.2	5.3	6.1	5.2	0.9
-	<b>Subtotal</b>	<b>8.1</b>	<b>8.9</b>	<b>10.7</b>	<b>9.2</b>	<b>1.3</b>
Cage Rinse	0 to 8	0.34	0.18	1.04	0.52	0.5
Cage Rinse	8 to 24	1.32	3.54	2.43	2.43	1.1
Cage Rinse	24 to 48	2.15	8.94	1.64	4.24	4.1
-	<b>Subtotal</b>	<b>3.8</b>	<b>12.7</b>	<b>5.1</b>	<b>7.2</b>	<b>4.8</b>
<b>Urine + Cage Rinse</b>	<b>Subtotal</b>	<b>11.9</b>	<b>21.5</b>	<b>15.8</b>	<b>16.4</b>	<b>4.8</b>
Feces	0 to 24	0.11	0.41	0.18	0.23	0.2
Feces	24 to 48	0.12	1.07	0.17	0.45	0.5
-	<b>Subtotal</b>	<b>0.2</b>	<b>1.5</b>	<b>0.4</b>	<b>0.7</b>	<b>0.7</b>
<b>Total</b>	-	<b>12.1</b>	<b>23.0</b>	<b>16.1</b>	<b>17.1</b>	<b>5.5</b>

Distribution in Tissues (48 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	527	174	0.231	0.066	0.037	0.015
Bladder	2300	1530	0.926	0.316	0	0
Blood	2320	745	1	0	0.173	0.049
Brain	1140	512	0.477	0.093	0.01	0
Cecum	2620	660	1.17	0	0.010	0.000
Heart	1520	638	0.641	0.096	0.007	0.006
Kidney	1920	855	0.804	0.134	0.013	0.006
Large Intestine	1920	1070	0.789	0.211	0.013	0.006
Liver	1680	690	0.712	0.095	0.063	0.025
Lung	1590	721	0.664	0.102	0.013	0.006
Muscle (hind leg)	1300	604	0.544	0.102	0.533	0.228
Ovaries	1420	649	0.593	0.101	0	0
Pancreas	1330	632	0.555	0.12	0.007	0.006
Plasma	1470	708	0.611	0.134	<0.005 <sup>d</sup>	-
Skin (abdominal)	3250	1660	1.35	0.252	0.63	0.299
Small Intestine	1740	838	0.724	0.16	0.03	0.01
Spleen	1560	636	0.662	0.077	0.003	0.006
Stomach	2110.0	1140.0	0.873	0.325	0.017	0.006
Thyroid	2180	1490	0.869	0.322	0	0
Uterus with Fallopian Tubes	1720	809	0.721	0.206	0.003	0.006
<b>Total</b>	-	-	-	-	<b>1.55</b>	<b>0.66</b>

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Disposition Summary – Percent of Dose Recovered

<b>Sample</b>	<b>10_01</b>	<b>10_03</b>	<b>10_04</b>	<b>Mean</b>	<b>SD</b>
Absorbed	-	-	-	-	-
Urine <sup>c</sup>	11.9	21.5	15.8	16.4	4.8
Feces	0.2	1.5	0.4	0.7	0.7
Tissues	1.33	2.29	1.02	1.95	0.975
GI Tract Contents	0.06	0.10	0.04	0.1	0.0
<b>Subtotal</b>	<b>13.5</b>	<b>25.4</b>	<b>17.2</b>	<b>18.7</b>	<b>6.08</b>
Unabsorbed	-	-	-	-	-
Gauze	1.23	0.97	0.54	0.9	0.3
Appliance	54.50	57.40	66.00	59.3	6.0
Dose site skin rinse	6.91	0.32	0.34	2.5	3.8
<b>Subtotal</b>	<b>62.6</b>	<b>58.7</b>	<b>66.9</b>	<b>62.7</b>	<b>4.10</b>
Dose site	3.47	3.42	0.79	2.6	1.5
<b>Total</b>	<b>79.6</b>	<b>87.5</b>	<b>84.9</b>	<b>84.0</b>	<b>4.01</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.