

**Distribution of Radioactivity 48 Hours Following Dermal Administration of [<sup>14</sup>C]Sulfolane  
(100 mg/kg) to Male Harlan Sprague Dawley Rats – Group 8**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	8_01	8_02	8_03	8_04	Mean	SD
Urine	0 to 8	0.1	0.1	0.2	0.4	0.2	0.1
Urine	8 to 24	2.7	3.4	2.0	5.5	3.4	1.5
Urine	24 to 48 <sup>a</sup>	4.1	6.1	4.2	7.7	5.5	1.7
-	<b>Subtotal</b>	<b>6.9</b>	<b>9.5</b>	<b>6.4</b>	<b>13.5</b>	<b>9.1</b>	<b>3.2</b>
Cage Rinse	0 to 8	0.65	0.09	0.35	0.47	0.4	0.2
Cage Rinse	8 to 24	1.06	0.73	2.23	1.36	1.3	0.6
Cage Rinse	24 to 48	2.64	1.42	2.72	2.31	2.3	0.6
-	<b>Subtotal</b>	<b>4.4</b>	<b>2.2</b>	<b>5.3</b>	<b>4.1</b>	<b>4.0</b>	<b>1.3</b>
<b>Urine + Cage Rinse</b>	<b>Subtotal</b>	<b>11.3</b>	<b>11.8</b>	<b>11.7</b>	<b>17.6</b>	<b>13.1</b>	<b>3.0</b>
Feces	0 to 24	0.1	0.07	0.08	0.23	0.1	0.1
Feces	24 to 48	0.31	0.14	0.3	0.3	0.3	0.1
-	<b>Subtotal</b>	<b>0.4</b>	<b>0.2</b>	<b>0.4</b>	<b>0.5</b>	<b>0.4</b>	<b>0.1</b>
<b>Total</b>	-	<b>11.7</b>	<b>12.0</b>	<b>12.1</b>	<b>18.2</b>	<b>13.5</b>	<b>3.1</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	580.0	57.9	0.167	0.034	0.040	0.008
Bladder	22900	11600	6.39	3.22	0.01	0.008
Blood	3530	508	1	0	0.255	0.034
Brain	2100	339	0.593	0.034	0.01	0.00
Cecum	3140.0	545.0	0.888	0	<0.005	-
Heart	2700	454	0.763	0.037	0.01	0.00
Kidney	3730	803	1.05	0.074	0.025	0.006
Large Intestine	3140	522	0.888	0.076	0.013	0.005
Liver	2820	425	0.799	0.02	0.088	0.01
Lung	2900	435	0.82	0.03	0.015	0.006
Muscle (hind leg)	2430	426	0.686	0.041	0.943	0.135
Pancreas	2160	234	0.616	0.039	0.01	0.00
Plasma	2850	429	0.807	0.033	0.001 <sup>d</sup>	0.000
Skin (abdominal)	3790	971	1.08	0.239	0.7	0.181
Small Intestine	3050	348	0.868	0.037	0.038	0.005
Spleen	2850	409	0.807	0.001	0.005	0.006
Stomach	2620	312	0.745	0.025	0.01	0.00
Testes	2680	414	0.757	0.037	0.033	0.005
Thyroid	2310	916	0.678	0.293	0	0
<b>Total</b>	-	-	-	-	<b>2.2</b>	<b>0.316</b>

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Disposition Summary – Percent of Dose Recovered

Sample	8_01	8_02	8_03	8_04	Mean	SD
Absorbed	-	-	-	-	-	-
Urine <sup>c</sup>	11.3	11.8	11.7	17.6	13.1	3.04
Feces	0.41	0.21	0.38	0.53	0.38	0.13
Tissues	2.01	2.08	2.03	2.67	2.2	0.316
GI Tract Contents	0.08	0.08	0.10	0.08	0.1	0.0
<b>Subtotal</b>	<b>13.8</b>	<b>14.2</b>	<b>14.2</b>	<b>20.9</b>	<b>15.8</b>	<b>3.45</b>
Unabsorbed	-	-	-	-	-	-
Gauze	3.85	3.21	3.81	1.58	3.1	1.1
Appliance	47.2	38.0	46.5	54.9	46.7	6.9
Dose site skin rinse	15.0	22.8	18.3	2.47	14.6	8.72
<b>Subtotal</b>	<b>66.1</b>	<b>64.0</b>	<b>68.6</b>	<b>58.9</b>	<b>64.4</b>	<b>4.10</b>
Dose site	4.34	4.13	6.36	4.65	4.87	1.02
<b>Total</b>	<b>84.1</b>	<b>82.3</b>	<b>89.2</b>	<b>84.5</b>	<b>85.0</b>	<b>2.94</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.