

**Distribution of Radioactivity 48 Hours Following Dermal Administration of [<sup>14</sup>C]Sulfolane  
(100 mg/kg) to Female B6C3F1/N Mice – Group 12**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	12_01	12_02	12_03	12_04	Mean	SD
Urine	0 to 8	N.S. <sup>d</sup>	N.S.	N.S.	N.S.	N.S.	-
Urine	8 to 24	11	11.8	16.8	28.4	17.0	8.02
Urine	24 to 48 <sup>a</sup>	1.17	1.96	2.77	4.94	2.71	1.62
-	<b>Subtotal</b>	<b>12.2</b>	<b>13.8</b>	<b>19.6</b>	<b>33.3</b>	<b>19.7</b>	<b>9.63</b>
Cage Rinse	0 to 8	50	21.9	39.6	17.00	32.1	15.4
Cage Rinse	8 to 24	4.9	23.7	9.3	12.8	12.7	8.03
Cage Rinse	24 to 48	1.61	8.41	3.85	5.60	4.87	2.87
-	<b>Subtotal</b>	<b>56.5</b>	<b>54.0</b>	<b>52.8</b>	<b>35.4</b>	<b>49.7</b>	<b>9.64</b>
<b>Urine + Cage Rinse</b>	<b>Subtotal</b>	<b>68.7</b>	<b>67.8</b>	<b>72.3</b>	<b>68.7</b>	<b>69.4</b>	<b>2.01</b>
Feces	0 to 24	11	11	1.34	7.88	7.81	4.55
Feces	24 to 48	1.49	1.51	0.48	2.69	1.54	0.90
-	<b>Subtotal</b>	<b>12.5</b>	<b>12.5</b>	<b>1.82</b>	<b>10.6</b>	<b>9.35</b>	<b>5.10</b>
<b>Total</b>	<b>-</b>	<b>81.2</b>	<b>80.3</b>	<b>74.1</b>	<b>79.3</b>	<b>78.7</b>	<b>3.15</b>

Distribution in Tissues (48 h)

Tissue <sup>b</sup>	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Recovery Mean	Recovery SD
Adipose Perirenal	1720	1380	1.31	1.23	0.117	0.09
Bladder	1100	254	0.877	0.183	<0.005	-
Blood (Mouse)	1300	462	Unity	-	0.063	0.019
Brain	449	209	0.34	0.049	0.013	0.005
Cecum	888	154	0.725	0.187	<0.005	-
Heart	797	306	0.614	0.079	0.003	0.005
Kidney	1020	423	0.781	0.102	0.013	0.005
Large Intestine	847	191	0.678	0.134	0.01	0
Liver	1000	317	0.783	0.096	0.038	0.01
Lung	1090	435	0.843	0.129	<0.005	-
Muscle (hind leg)	694	412	0.51	0.111	0.258	0.149
Ovaries	641	165	0.513	0.125	<0.005	-
Pancreas	689	236	0.535	0.048	0.003	0.005
Plasma	370	272	0.264	0.095	<0.005 <sup>e</sup>	0.001
Skin (abdominal)	7280	7960	4.74	3.32	1.16	1.24
Small Intestine	817	332	0.626	0.051	0.018	0.005
Spleen (Mouse)	836	312	0.644	0.056	<0.005	-
Stomach	1140	453	0.924	0.45	0.008	0.005
Thyroid	1480	793	1.16	0.666	<0.005	-
Uterus with Fallopian Tubes	987	237	0.797	0.212	0.005	0.006
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.68</b>	<b>1.45</b>

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Disposition Summary – Percent of Dose Recovered

<b>Sample</b>	<b>12_01</b>	<b>12_02</b>	<b>12_03</b>	<b>12_04</b>	<b>Mean</b>	<b>SD</b>
Absorbed	-	-	-	-	-	-
Urine <sup>c</sup>	68.7	67.8	72.3	68.7	69.4	2.0
Feces	12.49	12.51	1.82	10.57	9.35	5.10
Tissues	0.817	0.917	1.13	3.85	1.68	1.45
GI Tract Contents	0.02	0.07	0.03	0.04	0.04	0.02
<b>Subtotal</b>	<b>82.0</b>	<b>81.3</b>	<b>75.3</b>	<b>83.2</b>	<b>80.4</b>	<b>3.5</b>
Unabsorbed	-	-	-	-	-	-
Gauze	0.44	0.73	2.1	1.03	1.08	0.72
Appliance	0.28	1.43	2.92	0.94	1.39	1.12
Dose site skin rinse	0.08	0.14	0.3	0.28	0.20	0.11
<b>Subtotal</b>	<b>0.8</b>	<b>2.3</b>	<b>5.32</b>	<b>2.25</b>	<b>2.67</b>	<b>1.90</b>
Dose site	0.29	0.66	1.04	1.69	0.92	0.60
<b>Total</b>	<b>83.1</b>	<b>84.2</b>	<b>81.7</b>	<b>87.1</b>	<b>84.0</b>	<b>2.32</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 38.4%, skin 16.5%, and blood 4.9%.

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

<sup>d</sup> No Sample.

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