

**Distribution of Radioactivity 48 Hours Following Gavage Administration of [<sup>14</sup>C]Sulfolane  
(100 mg/kg) to Female B6C3F1/N Mice – Group 7**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	7_01	7_02	7_03	7_04	Mean	SD
Urine	0 to 8	0.40	N.S. <sup>d</sup>	4.65	N.S.	1.26	2.27
Urine	8 to 24	0.40	52.5	3.35	9.15	16.4	24.4
Urine	24 to 48 <sup>a</sup>	0.14	0.56	7.99	4.71	3.35	3.72
-	<b>Subtotal</b>	<b>0.94</b>	<b>53.1</b>	<b>16.0</b>	<b>13.9</b>	<b>21.0</b>	<b>22.4</b>
Cage Rinse	0 to 8	12.7	25.3	76.8	*0.02	38.3	34
Cage Rinse	8 to 24	11.3	7.26	6.14	26.9	12.9	9.59
Cage Rinse	24 to 48	0.47	0.69	0.31	2.85	1.08	1.19
-	<b>Subtotal</b>	<b>24.5</b>	<b>33.3</b>	<b>83.3</b>	<b>29.8</b>	<b>42.7</b>	<b>27.3</b>
<b>Urine + Cage Rinse</b>	<b>Subtotal</b>	<b>25.4</b>	<b>86.3</b>	<b>99.2</b>	<b>43.6</b>	<b>63.6</b>	<b>34.9</b>
Feces	0 to 24	65.0	5.86	2.66	46.3	30.0	30.7
Feces	24 to 48	1.03	0.17	0.21	0.92	0.58	0.46
-	<b>Subtotal</b>	<b>66.0</b>	<b>6.03</b>	<b>2.9</b>	<b>47.2</b>	<b>30.5</b>	<b>31.1</b>
<b>Total</b>	-	<b>91.4</b>	<b>92.3</b>	<b>102.1</b>	<b>90.8</b>	<b>94.2</b>	<b>5.3</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	370	105	0.181	0.037	0.027	0.006
Bladder	868	184	0.428	0.076	<0.005	-
Blood	2030	235	1	0	0.095	0.01
Brain	452	70	0.223	0.02	<0.005	-
Cecum	444	314	0.217	0.147	<0.005	-
Heart	973	275	0.477	0.098	0.005	0.006
Kidney	987	124	0.487	0.027	0.013	0.001
Large Intestine	649	184	0.32	0.075	0.008	0.005
Liver	1110	146	0.548	0.05	0.05	0.008
Lung	865	140	0.429	0.063	0.006	0.000
Muscle (hind leg)	486	84.4	0.239	0.026	0.175	0.029
Ovaries	489	106	0.239	0.03	<0.005	-
Pancreas	609	67.3	0.302	0.024	0.005	0.006
Plasma	187	32.3	0.091	0.011	<0.005 <sup>e</sup>	-
Skin (abdominal)	1030	613	0.502	0.287	0.163	0.102
Small Intestine	675	121	0.333	0.036	0.013	0.005
Spleen	883	155	0.434	0.034	<0.005	-
Stomach	634	71.2	0.317	0.051	<0.005	-
Thyroid	1490	477	0.731	0.193	<0.005	-
Uterus with Fallopian Tubes	834	216	0.411	0.086	0.008	0.005
<b>Total</b>	-	-	-	-	<b>0.566</b>	<b>0.133</b>

Disposition Summary – Percent of Dose Recovered

Sample	7_01	7_02	7_03	7_04	Mean	SD
Urine <sup>a, c</sup>	25.4	86.3	99.2	43.6	63.6	34.9
Feces	66.0	6.0	2.87	47.2	30.5	31.1
Tissues	0.524	0.56	0.432	0.749	0.566	0.133
GI Tract Contents	0.01	0.01	0.01	0.03	0.02	0.01
<b>Total</b>	<b>92.0</b>	<b>92.9</b>	<b>102.6</b>	<b>91.6</b>	<b>94.8</b>	<b>5.22</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.

\* At or below the limit of quantitation.