

**Distribution of Radioactivity 72 Hours Following Gavage Administration of [<sup>14</sup>C]Sulfolane  
(300 mg/kg) to Male Harlan Sprague Dawley Rats – Group 3**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	3_01	3_02	3_03	3_04	Mean	SD
Urine	0 to 8	10.1	16	11.5	10.9	12.1	2.63
Urine	8 to 24	42.3	43.3	44.2	42.1	43.0	0.966
Urine	24 to 48	32.9	34.9	32.1	31.3	32.8	1.56
Urine	48 to 72 <sup>a</sup>	1.50	1.11	2.48	1.32	1.60	0.608
-	<b>Subtotal</b>	<b>86.8</b>	<b>95.3</b>	<b>90.2</b>	<b>85.6</b>	<b>89.5</b>	<b>4.35</b>
Cage Rinse	0 to 8	2.28	1.53	2.27	2.3	2.09	0.375
Cage Rinse	8 to 24	2.63	1.7	3.37	5.17	3.22	1.47
Cage Rinse	24 to 48	1.2	0.4	1.27	0.57	0.86	0.441
Cage Rinse	48 to 72	0.5	0.16	0.31	0.14	0.278	0.168
-	<b>Subtotal</b>	<b>6.61</b>	<b>3.79</b>	<b>7.22</b>	<b>8.18</b>	<b>6.45</b>	<b>1.89</b>
<b>Urine + Cage Rinse</b>	<b>Subtotal</b>	<b>93.41</b>	<b>99.09</b>	<b>97.42</b>	<b>93.78</b>	<b>95.93</b>	<b>2.78</b>
Feces	0 to 24	1.45	0.53	1.35	1.19	1.13	0.415
Feces	24 to 48	0.61	0.63	0.78	0.77	0.696	0.09
Feces	48 to 72	0.17	0.07	0.06	0.08	0.094	0.052
-	<b>Subtotal</b>	<b>2.23</b>	<b>1.23</b>	<b>2.19</b>	<b>2.03</b>	<b>1.92</b>	<b>0.47</b>
CO2	0 to 8	0.08	0.08	0.09	0.09	0.085	0.007
CO2	8 to 24	0.33	0.32	0.32	0.28	0.314	0.021
CO2	24 to 48	0.34	0.32	0.34	0.31	0.329	0.013
CO2	48 to 72	0.03	0.03	0.03	0.03	0.03	0.003
-	<b>Subtotal</b>	<b>0.78</b>	<b>0.76</b>	<b>0.78</b>	<b>0.71</b>	<b>0.759</b>	<b>0.032</b>
VOC	0 to 8	0.01	0	0.03	0.02	0.016	0.011
VOC	8 to 24	0.03	0.01	0.03	0.02	0.022	0.009
VOC	24 to 48	0.02	0	0.06	0.01	0.023	0.023
VOC	48 to 72	0	0	0.01	0.01	0.006	0.003
-	<b>Subtotal</b>	<b>0.06</b>	<b>0.02</b>	<b>0.12</b>	<b>0.06</b>	<b>0.067</b>	<b>0.043</b>
<b>Total</b>	-	<b>96.5</b>	<b>101</b>	<b>101</b>	<b>96.6</b>	<b>98.7</b>	<b>2.48</b>

Distribution in Tissues (72 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	539	65.2	0.024	0.001	0.010	-
Bladder	3510	815	0.166	0.048	<0.005	-
Blood	21400	1560	-	-	0.52	0.038
Brain	1940	110	0.09	0.006	<0.005	-
Cecum	2240	969	0.106	0.051	<0.005	-
Heart	5720	474	0.267	0.021	0.01	0
Kidney	5500	300	0.257	0.011	0.01	0
Large Intestine	2420	84.6	0.113	0.004	<0.005	-
Liver	4470	408	0.209	0.019	0.053	0.01
Lung	6630	718	0.309	0.024	0.013	0.005
Muscle (hind leg)	1990	115	0.093	0.01	0.26	0.016
Pancreas	2390	293	0.111	0.01	<0.005	-
Plasma	922	58.3	0.042	0.004	<0.005 <sup>d</sup>	-
Skin (abdominal)	3000	507	0.14	0.022	0.188	0.029
Small Intestine	2170	274	0.101	0.012	0.01	0
Spleen	5120	311	0.239	0.011	<0.005	-
Stomach	2820	632	0.132	0.033	0.005	0.006
Testes	2030	137	0.094	0.007	0.01	0
Thyroid	3300	383	0.155	0.022	<0.005	-
<b>Total</b>	-	-	-	-	<b>1.100</b>	<b>0.055</b>

**Distribution of Radioactivity 72 Hours Following Gavage Administration of [<sup>14</sup>C]Sulfolane (300 mg/kg) to Male Harlan Sprague Dawley Rats – Group 3**

Disposition Summary – Percent of Dose Recovered

<b>Sample</b>	<b>3_01</b>	<b>3_02</b>	<b>3_03</b>	<b>3_04</b>	<b>Mean</b>	<b>SD</b>
Urine <sup>a, c</sup>	93.41	99.09	97.42	93.78	95.93	2.78
Feces	2.23	1.23	2.19	2.03	1.92	0.47
CO2	0.78	0.76	0.78	0.71	0.759	0.032
VOC	0.06	0.02	0.12	0.06	0.067	0.043
Tissues	1.16	1.04	1.06	1.12	1.100	0.055
GI Tract Contents	0.01	0.01	0.01	0.01	0.01	0.001
GI Tract Rinse	0.00	0.00	0.00	0.00	<0.005	-
<b>Total</b>	<b>97.7</b>	<b>102.2</b>	<b>101.7</b>	<b>97.7</b>	<b>99.8</b>	<b>2.4</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.