

**Distribution of Radioactivity 48 Hours Following Dermal Administration of [¹⁴C]Sulfolane
(100 mg/kg) to Male B6C3F1/N Mice – Group 11**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	11_01	11_02	11_03	11_04	Mean	SD
Urine	0 to 8	N.S. ^d	58.4	N.S.	0	0	0
Urine	8 to 24	39.5	8.01	14.2	41.8	25.9	17.3
Urine	24 to 48 ^a	2.28	0.88	3.99	5.55	3.18	2.03
-	Subtotal	41.8	67.3	18.2	47.4	43.7	20.2
Cage Rinse	0 to 8	12.9	7.5	11.2	12.9	11.1	2.55
Cage Rinse	8 to 24	4.07	1.08	7.59	10.5	5.81	4.11
Cage Rinse	24 to 48	0.83	0.56	2.2	1.94	1.38	0.81
-	Subtotal	17.8	9.14	21.0	25.3	18.3	6.9
Urine + Cage Rinse	Subtotal	59.6	76.4	39.2	72.7	62.0	16.8
Feces	0 to 24	2.93	5.5	14.2	2.23	6.22	5.51
Feces	24 to 48	0.6	0.77	2.7	0.82	1.22	0.99
-	Subtotal	3.53	6.27	16.9	3.05	7.44	6.47
Total	-	63.1	82.7	56.1	75.7	69.4	12.0

Distribution in Tissues (48 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Recovery Mean	Recovery SD
Adipose Perirenal	441	119	0.513	0.203	0.03	0.008
Bladder	3140	2260	3.22	2.07	0.005	0.006
Blood (Mouse)	904	207	Unity	-	0.043	0.013
Brain	331	130	0.356	0.065	0.008	0.005
Cecum	667	307	0.709	0.213	<0.005	-
Heart	622	284	0.662	0.154	0.003	0.005
Kidney	853	285	0.931	0.194	0.013	0.005
Large Intestine	994	556	1.08	0.578	0.008	0.005
Liver	833	254	0.908	0.099	0.03	0.008
Lung	714	235	0.775	0.118	0.003	0.005
Muscle (hind leg)	502	343	0.52	0.23	0.188	0.131
Pancreas	595	287	0.641	0.261	<0.005	-
Plasma	308	173	0.323	0.108	<0.005 ^e	-
Skin (abdominal)	2870	1110	3.18	1.11	0.46	0.177
Small Intestine	623	245	0.668	0.159	0.008	0.005
Spleen (Mouse)	699	312	0.773	0.311	0.005	0.01
Stomach	555	210	0.599	0.126	<0.005	-
Testes (Mouse)	320	219	0.341	0.179	<0.005	-
Thyroid	1240	1310	1.42	1.59	<0.005	-
Total	-	-	-	-	0.801	0.313

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Disposition Summary – Percent of Dose Recovered

Sample	11_01	11_02	11_03	11_04	Mean	SD
Absorbed	-	-	-	-	-	-
Urine ^c	59.6	76.4	39.2	72.7	62.0	16.8
Feces	3.53	6.27	16.9	3.05	7.44	6.47
Tissues	0.923	0.453	0.656	1.17	0.801	0.313
GI Tract Contents	0.01	0.01	0.02	0.04	0.02	0.01
Subtotal	64.0	83.2	56.8	77.0	70.2	12.0
Unabsorbed	-	-	-	-	-	-
Gauze	0.52	1.23	0.7	2.54	1.2	0.91
Appliance	0.35	1.63	7.09	1.21	2.57	3.06
Dose site skin rinse	0.04	0.03	0.1	0.17	0.09	0.06
Subtotal	0.91	2.89	7.89	3.92	3.90	2.94
Dose site	0.51	0.99	0.52	3.45	1.37	1.41
Total	65.5	87.0	65.2	84.3	75.5	11.8

^a Includes urine present in bladder at time of sacrifice.

^b 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%.

^c Includes cage rinse.

^d No Sample.

^e Plasma recovery based on analyzed aliquots only.