

### Distribution of Radioactivity 72 Hours Following Intravenous Administration of 20 mg/kg [<sup>14</sup>C] *N*-Butylbenzenesulfonamide 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	BLOD	N.S.	N.S.	N.S.	BLOD	-
Urine	8 to 24	0.00	35.8	44.3	19.2	24.8	19.6
Urine	24 to 48	3.90	2.24	9.77	0.70	4.15	3.97
Urine	48 to 72 <sup>a</sup>	0.58	0.09	0.58	0.19	0.36	0.26
-	<b>Subtotal</b>	<b>4.49</b>	<b>38.1</b>	<b>54.7</b>	<b>20.1</b>	<b>29.3</b>	<b>21.8</b>
Cage Rinse	0 to 8	0.08	0.05	0.25	0.59	0.24	0.25
Cage Rinse	8 to 24	47.3	22.9	29.0	23.9	30.8	11.3
Cage Rinse	24 to 48	3.32	2.38	1.38	4.60	2.92	1.37
Cage Rinse	48 to 72	4.12	3.85	0.28	1.63	2.47	1.84
-	<b>Subtotal</b>	<b>54.9</b>	<b>29.2</b>	<b>30.9</b>	<b>30.7</b>	<b>36.4</b>	<b>12.3</b>
<b>Urine + Cage Rinse</b>	<b>Subtotal</b>	<b>59.4</b>	<b>67.3</b>	<b>85.6</b>	<b>50.8</b>	<b>65.8</b>	<b>14.8</b>
Feces	0 to 24	19.2	19.5	3.71	29.9	18.1	10.8
Feces	24 to 48	1.35	0.97	1.87	1.75	1.49	0.41
Feces	48 to 72	0.24	0.24	0.20	0.23	0.23	0.02
-	<b>Subtotal</b>	<b>20.8</b>	<b>20.7</b>	<b>5.78</b>	<b>31.9</b>	<b>19.8</b>	<b>10.7</b>
<b>Total</b>	-	<b>80.1</b>	<b>88.0</b>	<b>91.3</b>	<b>82.7</b>	<b>85.5</b>	<b>5.1</b>

#### Distribution in Tissues (72 h)

Tissue	ng-eq/g Mean	ng-eq/g SD <sup>d</sup>	TBR Mean <sup>e</sup>	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	16.2	-	0.61	0.44	0.01	-
Bladder	33.0	16.0	1.55	1.23	<0.005	<0.005
Muscle (hind leg)	10.7	-	0.43	0.09	0.02	-
Skin (abdominal)	32.0	2.00	1.33	0.59	0.03	0.01
Blood	BLOQ	-	1.00	0.00	BLOQ	BLOQ
Plasma	18.0	4.00	0.73	0.27	<0.005	<0.005
Spleen	BLOQ	-	BLOQ	-	BLOQ	-
Liver	94.0	-	2.85	0.83	0.02	N.A.
Kidney	304	90.0	12.9	4.73	0.03	0.01
Brain	17.0	6.00	0.70	0.19	0.00	0.00
Heart	34.0	6.00	1.32	0.40	0.00	0.00
Lung	BLOQ	-	BLOQ	-	BLOQ	-
Stomach	BLOQ	-	BLOQ	-	BLOQ	-
Cecum	BLOQ	-	BLOQ	-	BLOQ	-
Large Intestine	BLOQ	-	BLOQ	-	BLOQ	-
Small Intestine	BLOQ	-	BLOQ	-	BLOQ	-
Thyroid	BLOQ	-	BLOQ	-	BLOQ	-
Testes	9.00	2.00	0.33	0.07	<0.005	<0.005
Pancreas	27.0	9.00	1.09	0.54	<0.005	<0.005
<b>Total</b>	-	-	-	-	<b>0.05</b>	<b>0.02</b>

#### Disposition Summary – Percent of Dose Recovered

Sample	11_01	11_02	11_03	11_04	Mean	SD
Urine <sup>a,c</sup>	59.4	67.3	85.6	50.8	65.8	14.8
Feces	20.8	20.7	5.78	31.9	19.8	10.7
Tissues	0.07	0.05	0.06	0.02	0.05	0.02
GI Tract Contents	BLOQ.	BLOQ.	BLOQ.	0.01	0.01	-
<b>Total</b>	<b>80.2</b>	<b>88.0</b>	<b>91.4</b>	<b>82.7</b>	<b>85.6</b>	<b>5.1</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%, blood 4.9%, and plasma 2.8%.

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

<sup>d</sup> Where no SD is reported, only one subject had values above LOQ.

<sup>e</sup> Note that since blood values are BLOQ, TBR are estimates.

BLOQ = Below the limit of quantitation.

BLOD = Below the limit of detection.

N.S. = no sample produced

SD = standard deviation.

TBR = Tissue to blood ratio.