

**Distribution of Radioactivity 72 Hours Following Gavage Administration of
20 mg/kg [¹⁴C]N-Butylbenzenesulfonamide to Male B6C3F1/N Mice – Group 10**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	10_01	10_02	10_03	10_04	Mean	SD
Urine	0 to 8	BLOD	N.S.	BLOD	N.S.	BLOD	-
Urine	8 to 24	56.0	13.6	43.0	70.9	45.9	24.4
Urine	24 to 48	1.25	4.74	2.98	1.72	2.67	1.56
Urine	48 to 72 ^a	0.19	0.44	0.27	0.21	0.28	0.11
-	Subtotal	57.4	18.8	46.2	72.8	48.8	22.8
Cage Rinse	0 to 8	0.01	25.8	0.01	0.02	6.46	12.9
Cage Rinse	8 to 24	13.9	23.9	6.40	4.61	12.2	8.8
Cage Rinse	24 to 48	0.64	3.01	0.84	0.53	1.25	1.18
Cage Rinse	48 to 72	0.19	1.39	0.18	0.17	0.48	0.61
-	Subtotal	14.7	54.1	7.43	5.32	20.4	22.8
Urine + Cage Rinse	Subtotal	72.1	72.9	53.6	78.1	69.2	10.7
Feces	0 to 24	3.06	11.7	21.2	3.08	9.76	8.66
Feces	24 to 48	0.56	0.53	0.74	0.40	0.56	0.14
Feces	48 to 72	0.07	1.42	0.10	0.10	0.42	0.67
-	Subtotal	3.68	13.6	22.1	3.58	10.7	8.9
Total	-	75.8	86.5	75.7	81.7	79.9	5.2

Distribution in Tissues (72 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	N.A.	N.A.	0.18	0.13	BLOQ	-
Bladder	39.4	37.1	0.23	0.20	<0.005	0.00
Muscle (hind leg)	14.3	N.A.	0.06	0.02	0.02	-
Skin (abdominal)	25.4	4.85	0.20	0.08	0.02	0.01
Blood	119	25.7	1.00	0.00	0.03	0.01
Plasma	10.0	1.31	0.08	0.02	<0.005	<0.005
Spleen	26.8	4.53	0.22	0.01	<0.005	<0.005
Liver	84.4	13.7	0.71	0.05	0.02	<0.005
Kidney	320	20.0	2.77	0.44	0.03	0.01
Brain	15.0	3.70	0.12	0.00	<0.005	<0.005
Heart	26.2	10.1	0.21	0.04	<0.005	<0.005
Lung	56.0	14.8	0.46	0.03	<0.005	<0.005
Stomach	55.5	31.7	0.38	0.39	<0.005	<0.005
Cecum	402	237	3.02	1.21	0.01	0.00
Large Intestine	104	59.0	0.84	0.32	<0.005	<0.005
Small Intestine	23.9	11.8	0.18	0.08	<0.005	<0.005
Thyroid	326	N.A.	1.12	1.08	<0.005	<0.005
Testes	8.88	2.56	0.07	0.01	<0.005	<0.005
Pancreas	27.3	10.7	0.22	0.04	<0.005	<0.005
Total	-	-	-	-	0.11	0.02

Disposition Summary – Percent of Dose Recovered

Sample	10_01	10_02	10_03	10_04	Mean	SD
Urine ^{a,c}	72.1	72.9	53.6	78.1	69.2	10.7
Feces	3.68	13.6	22.1	3.58	10.7	8.9
Tissues	0.13	0.08	0.10	0.11	0.11	0.02
GI Tract Contents	0.01	0.01	<0.005	0.01	0.01	<0.005
Total	75.9	86.6	75.8	81.8	80.0	5.2

^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%, blood 4.9%, and plasma 2.8%.

^c Includes cage rinse.

BLOD= Below the limit of detection.

BLOQ = Below the limit of quantitation.

N.S. = no sample produced

N.A. = Not applicable.

SD = standard deviation.

TBR = Tissue to blood ratio.