

**Distribution of Radioactivity 72 Hours Following Gavage Administration of
20 mg/kg [¹⁴C]N-Butylbenzenesulfonamide to Female B6C3F1/N Mice – Group 12**

Percent of Dose Recovered in Excreta

Sample	Collection Interval	12_01	12_02	12_03	12_04	Mean	SD
Urine	0 to 8	N.S.	N.S.	N.S.	BLOD	BLOD	-
Urine	8 to 24	46.8	22.0	32.1	1.60	25.6	19.0
Urine	24 to 48	4.87	1.38	6.76	2.38	3.85	2.43
Urine	48 to 72 ^a	0.84	2.07	1.76	0.21	1.22	0.85
-	Subtotal	52.5	25.4	40.6	4.19	30.7	20.8
Cage Rinse	0 to 8	0.04	34.6	0.07	64.6	24.8	31.1
Cage Rinse	8 to 24	14.0	10.3	21.1	1.81	11.8	8.0
Cage Rinse	24 to 48	3.13	2.54	5.12	0.79	2.90	1.79
Cage Rinse	48 to 72	1.35	0.53	2.78	0.44	1.27	1.08
-	Subtotal	18.5	48	29.1	67.7	40.8	21.6
Urine + Cage Rinse	Subtotal	71.0	73.4	69.7	71.9	71.5	1.6
Feces	0 to 24	14.8	7.46	3.48	3.42	7.30	5.37
Feces	24 to 48	1.17	0.78	1.45	0.73	1.03	0.34
Feces	48 to 72	0.22	0.16	1.28	0.14	0.45	0.56
-	Subtotal	16.2	8.40	6.21	4.29	8.78	5.24
Total	-	87.3	81.8	75.9	76.1	80.3	5.4

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	28.2	16.4	0.14	0.07	0.01	0.01
Bladder	26.0	3.88	0.16	0.03	<0.005	<0.005
Muscle (hind leg)	12.8	2.94	0.07	0.00	0.03	0.01
Skin (abdominal)	43.6	21.8	0.27	0.12	0.04	0.02
Blood	156	30.1	1.00	0.00	0.04	0.01
Plasma	14.3	3.55	0.08	0.01	<0.005	<0.005
Spleen	44.5	9.68	0.28	0.02	<0.005	<0.005
Liver	113	10.1	0.73	0.11	0.03	0.01
Kidney	244	11.6	1.60	0.25	0.02	0.01
Brain	19.5	4.15	0.12	0.01	<0.005	<0.005
Heart	27.3	5.10	0.17	0.02	<0.005	<0.005
Lung	68.5	11.7	0.44	0.05	<0.005	0.01
Stomach	28.9	1.21	0.18	0.04	<0.005	<0.005
Cecum	282	148	1.76	0.59	0.01	0.01
Large Intestine	133	81.1	0.82	0.38	0.01	0.01
Small Intestine	29.2	15.6	0.17	0.05	<0.005	0.01
Thyroid	157	N.A.	0.56	0.54	<0.005	N.A.
Ovaries	49.7	N.A.	0.16	0.08	<0.005	N.A.
Pancreas	31.7	6.24	0.20	0.04	<0.005	<0.005
Uterus with Fallopian tubes	36.4	18.5	0.22	0.06	<0.005	<0.005
Total	-	-	-	-	0.17	0.04

Disposition Summary – Percent of Dose Recovered

Sample	12_01	12_02	12_03	12_04	Mean	SD
Urine ^{a,c}	71.0	73.4	69.7	71.9	71.5	1.6
Feces	16.2	8.40	6.21	4.29	8.78	5.24
Tissues	0.15	0.12	0.21	0.19	0.17	0.04
GI Tract Contents	0.01	<0.005	0.01	0.02	0.01	0.01
Total	87.4	81.9	76.1	76.4	80.5	5.3

^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.

N.A. = Not applicable

N.S. = no sample produced.

SD = standard deviation.

TBR = Tissue to blood ratio.