

**Disposition of Radioactivity 72 Hours Following Intravenous Administration of 1.5 mg/kg
[¹⁴C]Dimethylamine borane to Male Harlan Sprague Dawley Rats – Group 2**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	2-01	2-03	2-04	2-05	Mean	SD
Urine	0 to 4	30.5	0	0	38.3	17.2	20.1
Urine	4 to 8	26.3	38.4	39.9	17.7	30.6	10.5
Urine	8 to 12	11.1	23.6	15.2	7.99	14.5	6.77
Urine	12 to 24	16.9	25.7	24.7	20.1	21.9	4.10
Urine	24 to 48	3.71	2.33	8.27	4.56	4.72	2.54
Urine	48 to 72 ^a	1.12	0.59	3.96	1.64	1.83	1.48
-	Subtotal	89.7	90.7	92.1	90.4	90.7	1.01
Feces	0 to 24	1.44	0.58	0.32	0.76	0.781	0.476
Feces	24 to 48	0.19	0.13	0.11	0.09	0.136	0.042
Feces	48 to 72	0.01	0.03	0.05	0.2	0.076	0.085
-	Subtotal	1.66	0.754	0.497	1.07	0.994	0.5
CO ₂	0 to 4	0.14	0.19	0.22	0.22	0.2	0.04
CO ₂	4 to 8	0.01	0.06	0.06	0.09	0.07	0.02
CO ₂	8 to 12	0	0.01	0	0.01	N/A	N/A
CO ₂	12 to 24	0	0	0	0.02	N/A	N/A
CO ₂	24 to 48	0.01	0.02	0.01	0.03	0.02	0.01
CO ₂	48 to 72	0.01	0.01	0.01	0.02	0.02	0.0
-	Subtotal	0.18	0.30	0.32	0.38	0.3	0.08
Exhaled VOC	0 to 4	0.12	BLOQ ^b	0.05	0.03	0.07	-
Exhaled VOC	4 to 8	0.43	0.06	0.21	0.18	0.23	-
Exhaled VOC	8 to 12	0.23	0.22	0.23	0.09	0.20	-
Exhaled VOC	12 to 24	0.8	0.16	0.35	0.32	0.41	-
Exhaled VOC	24 to 48	0.48	0.15	0.52	0.26	0.36	-
Exhaled VOC	48 to 72	0.15	0.06	0.21	0.11	0.14	-
-	Subtotal	2.25	0.69	1.58	1.02	1.39	0.69
Cage Rinse	72	1.59	0.73	2.01	1.04	1.34	0.57
-	Subtotal	1.59	0.73	2.01	1.04	1.34	0.57
Total	-	95.4	93.2	96.5	93.9	94.7	1.51

**Disposition of Radioactivity 72 Hours Following Intravenous Administration of [¹⁴C]
Dimethylamine (1.5 mg/kg) to Male Harlan Sprague Dawley Rats – Group 2**

Distribution in Tissues (72 h)

Tissue	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal ^c	2.41	0.68	0.72	0.24	0.012	0.004
Bladder	8.32	0.87	2.48	0.35	0.000	0.000
Blood ^c	3.38	0.22	Unity	-	0.017	0.001
Brain	3.55	0.36	1.06	0.17	0.002	0.000
Cecum	BLOD ^d	BLOD	BLOD	BLOD	BLOD	BLOD
Heart	5.03	0.86	1.49	0.22	0.002	0.001
Kidney	11.7	1.38	3.47	0.46	0.006	0.001
Large Intestine	5.22	0.3	1.56	0.36	0.002	0.000
Liver	11.8	1.66	3.51	0.55	0.029	0.004
Lung	10.4	2.07	3.08	0.65	0.004	0.001
Muscle (hind leg) ^c	5.02	0.37	1.49	0.14	0.141	0.014
Pancreas	7	1.65	2.08	0.5	0.002	0.001
Plasma ^c	3.34	0.49	1	0.19	0.010	0.002
Skin (abdominal) ^c	9.76	4	2.87	1.09	0.129	0.055
Small Intestine	5.96	1.02	1.77	0.36	0.005	0.001
Spleen	8.45	1.09	2.51	0.4	0.001	0.001
Stomach	BLOQ	BLOQ	BLOQ	BLOQ	BLOQ	BLOQ
Testes	3.68	0.29	1.1	0.16	0.004	0.001
Thyroid	8.59	2.73	2.55	0.82	0.000	0.000
Total	-	-	-	-	0.37	0.068

Disposition Summary – Percent of Dose Recovered

Sample	2-01	2-03	2-04	2-05	Mean	SD
Urine	89.6	90.6	92	90.3	90.6	1.01
Feces	1.66	0.754	0.497	1.07	0.994	0.5
CO ₂	0.18	0.3	0.32	0.38	0.3	0.08
Exhaled VOC	2.26	0.7	1.58	1.02	1.39	0.69
Cage Rinse	1.59	0.73	2.01	1.04	1.34	0.57
Tissues	0.308	0.352	0.336	0.461	0.364	0.067
GI Tract	0.004	0.007	0.006	0.007	0.006	0.001
Total	95.6	93.4	96.7	94.3	95.0	1.5

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

^b BLOQ = below the limit of quantitation.

^c Tissue weights for dispersed tissues were calculated based on body weight as follows: adipose 7.0%, muscle 40.4%, skin 19%, blood 7.4%, and plasma 4.3%.

^d BLOD = below the limit of detection.