

**Distribution of Radioactivity 72 Hours Following Oral Administration of
10 mg/kg [¹⁴C]Butyl Paraben to Male Sprague Dawley Rats – Group 1b**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	M-01	M-02	M-03	M-04	Mean	SD
Urine	0 to 4	17.5	12.8	6.89	10.1	11.8	4.47
Urine	4 to 8	17.4	16.1	12.2	15.3	15.3	2.19
Urine	8 to 12	22.2	13.4	16.7	7.94	15	5.96
Urine	12 to 24	21.5	22.4	24.1	27.8	24.2	2.77
Urine	24 to 48	5.99	13	11.3	13.2	10.9	3.35
Urine	48 to 72 ^a	0.32	1.71	3.35	0.87	1.56	1.32
Cage Rinse	0 to 72	0.7	4.47	8.51	2.35	4.01	3.38
-	Subtotal	85.6	83.9	83.1	77.6	82.5	3.0
Feces	0 to 24	3.44	1.93	4.63	7.18	4.3	2.22
Feces	24 to 48	0.32	2.24	0.57	0.47	0.9	0.9
Feces	48 to 72	0.49	1.28	0.28	0.39	0.61	0.45
-	Subtotal	4.25	5.45	5.48	8.04	5.81	1.6
Total	-	89.8	89.3	88.6	85.5	88.3	1.9

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 ^b	80.4	23.5	5.41	2.63	0.05	0.02
Muscle (hind leg) ^b	131	6.08	8.66	2.22	0.50	0.03
Skin (abdominal) ^b	135	15.1	8.93	2.57	0.24	0.02
Blood ^b	15.9	3.49	Unity	-	0.01	0.00
Plasma ^b	10.6	3.83	0.65	0.12	0.00	0.00
Spleen	267	21.4	17.3	2.56	0.01	0.00
Liver	897	46.3	58.9	13.3	0.34	0.03
Kidney	812	125	53.3	14.7	0.06	0.01
Brain	19.1	3.56	1.23	0.22	0.00	0.00
Heart	286	51.2	18.2	0.99	0.01	0.00
Lung	99.9	11.7	6.47	1.19	0.01	0.00
Testes	27.5	1.96	1.79	0.35	0.00	0.00
Total	-	-	-	-	1.24	0.05

Disposition Summary – Percent of Dose Recovered

Sample	M-01	M-02	M-03	M-04	Mean	SD
Urine ^c	85.6	83.9	83.1	77.6	82.5	3.0
Feces	4.25	5.45	5.48	8.04	5.81	1.6
Tissues	1.18	1.23	1.29	1.26	1.24	0.05
Total	91.0	90.5	89.9	86.8	89.5	1.9

^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 40.4%, skin 19%, blood 7.4%, and plasma 4.3%.

^c Includes Cage Rinse.