

**Distribution of Radioactivity 72 Hours Following Oral Administration of
1000 mg/kg [¹⁴C]Butyl Paraben to Male Sprague Dawley Rats – Group 1d**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	M-01	M-02	M-03	M-04	Mean	SD
Urine	0 to 4	10.8	18.9	7.97	13.4	12.8	4.7
Urine	4 to 8	11.3	8.6	6.37	15.1	10.3	3.76
Urine	8 to 12	11	28.6	19.8	10.3	17.4	8.61
Urine	12 to 24	23.9	27.4	42.1	29.4	30.7	7.93
Urine	24 to 48	18.7	3.08	6.94	9.35	9.52	6.64
Urine	48 to 72 ^a	5.56	0.57	1.73	1.67	2.38	2.18
Cage Rinse	0 to 72	1.17	0.334	1.15	3.92	1.64	1.57
-	Subtotal	82.4	87.5	86.1	83.1	84.8	2.39
Feces	0 to 24	4.76	2.22	1.28	3.07	2.83	1.48
Feces	24 to 48	0.42	0.28	0.41	0.26	0.34	0.08
Feces	48 to 72	0.09	0.06	0.11	0.07	0.08	0.02
-	Subtotal	5.27	2.56	1.8	3.4	3.26	1.49
Total	-	87.7	90.0	87.9	86.5	88.0	1.45

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	1990	1880	1.617	1.278	0.014	0.014
Muscle (hind leg) ^b	1120	565	1.297	1.005	0.046	0.023
Skin (abdominal) ^b	2330	768	2.549	1.413	0.045	0.015
Blood ^b	1020	276	Unity	-	0.008	0.002
Plasma ^b	388	289	0.386	0.279	0.002	0.001
Spleen	1480	439	1.494	0.428	0.000	0.001
Liver	6670	2170	6.806	2.222	0.024	0.008
Kidney	3740	795	3.805	0.905	0.003	0.001
Brain	437	137	0.436	0.124	0.000	0.000
Heart	1550	328	1.582	0.438	0.001	0.000
Lung	671	344	0.667	0.326	0.001	0.001
Testes	504	149	0.526	0.196	0.001	0.001
Total	-	-	-	-	0.14	0.02

Disposition Summary – Percent of Dose Recovered

Sample	M-01	M-02	M-03	M-04	Mean	SD
Urine ^c	82.4	87.5	86.1	83.1	84.8	2.39
Feces	5.27	2.56	1.80	3.40	3.26	1.49
Tissues	0.112	0.159	0.144	0.146	0.14	0.02
Total	87.9	90.1	88.0	86.7	88.2	1.5

^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.