

**Distribution of Radioactivity 24 Hours Following Oral Administration of
100 mg/kg [¹⁴C]Butyl Paraben to Male Sprague Dawley Rats – Group 2**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	M-01	M-02	M-03	M-04	Mean	SD
Urine	0 to 4	0.00	7.68	0.04	17.2	6.24	8.17
Urine	4 to 8	32.9	13.1	33.6	6.72	21.6	13.7
Urine	8 to 12	24.7	18.1	11.1	14.2	17.0	5.87
Urine	12 to 24 ^a	13.5	25.2	19.1	34.1	22.9	8.82
Cage Rinse	0 to 24	16.5	19.2	18.3	11.5	16.4	3.45
-	Subtotal	87.6	83.3	82.1	83.7	84.2	2.37
Feces	0 to 24	1.98	2	3.31	3.29	2.65	0.76
Total	-	89.6	85.3	85.5	87.0	86.8	1.99

Distribution in Tissues (24 h)

Tissue	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal ^b	154	44.2	1.27	0.38	0.011	0.003
Muscle (hind leg) ^b	238	37.0	2.07	0.83	0.096	0.017
Skin (abdominal) ^b	207	97.4	1.86	1.11	0.040	0.019
Blood ^b	126	42.2	Unity	-	0.009	0.003
Plasma ^b	159	99.1	1.20	0.39	0.007	0.004
Spleen	644	261	5.05	0.42	0.002	0.001
Liver	1170	657	9.43	5.46	0.047	0.026
Kidney	1590	516	12.8	2.86	0.013	0.004
Brain	128	26.3	1.05	0.15	0.001	0.000
Heart	723	94.5	6.03	1.28	0.003	0.001
Lung	275	35.9	2.30	0.54	0.002	0.001
Testes	146	29.4	1.21	0.26	0.002	0.001
Total	-	-	-	-	0.232	0.021

Disposition Summary – Percent of Dose Recovered

Sample	M-01	M-02	M-03	M-04	Mean	SD
Urine ^c	87.6	83.3	82.1	83.7	84.2	2.37
Feces	1.98	2.00	3.31	3.29	2.65	0.76
Tissues	0.211	0.245	0.254	0.217	0.232	0.021
Total	89.7	85.6	85.7	87.2	87.0	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.