

**Distribution of Radioactivity 24 Hours Following Oral Administration of
100 mg/kg [¹⁴C]Butyl Paraben to Female Sprague Dawley Rats – Group 6**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	6-01	6-02	6-03	6-04	Mean	SD
Urine	0 to 4	24.1	33.4	23.6	22.5	25.9	5.04
Urine	4 to 8	16.8	3.53	10.1	9.63	10	5.42
Urine	8 to 12	19.9	20.5	10.9	9.66	15.2	5.75
Urine	12 to 24 ^a	20.4	21.5	10.9	17.9	17.7	4.76
Cage Rinse	0 to 24	4.76	8.48	26.1	21.5	15.2	10.2
-	Subtotal	86.0	87.4	81.6	81.2	84.0	3.12
Feces	0 to 24	3.13	2.75	5.74	5.99	4.4	1.7
Total	-	89.1	90.2	87.3	87.2	88.4	1.46

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	384	293	1.02	0.32	0.026	0.020
Bladder	655	238	1.96	0.468	0.000	0.000
Muscle (hind leg) ^b	295	35.5	0.924	0.222	0.120	0.014
Skin (abdominal) ^b	710	270	2.11	0.608	0.135	0.049
Blood ^b	345	149	Unity	-	0.025	0.010
Plasma ^b	569	359	1.65	0.978	0.023	0.015
Spleen	695	69.1	2.21	0.614	0.001	0.000
Liver	1820	303	5.66	1.19	0.075	0.011
Kidney	2350	512	7.19	1.25	0.017	0.002
Brain	175	27.7	0.547	0.126	0.001	0.000
Heart	825	189	2.52	0.417	0.002	0.000
Lung	467	137	1.41	0.169	0.002	0.000
Stomach	1930	742	5.72	1.39	0.009	0.003
Cecum	6700	3800	18.9	6.65	0.017	0.009
Large Intestine	3890	2040	11.0	1.34	0.024	0.009
Small Intestine	4930	2710	13.8	3.4	0.063	0.031
Thyroid	592	212	1.76	0.357	0.000	0.000
Ovaries	1340	412	4.03	0.84	0.000	0.000
Pancreas	772	516	2.10	0.456	0.004	0.003
Uterus	1310	522	3.83	0.584	0.004	0.000
Total	-	-	-	-	0.553	0.168

Disposition Summary – Percent of Dose Recovered

Sample	6-01	6-02	6-03	6-04	Mean	SD
Urine ^c	86.0	87.4	81.6	81.2	84.0	3.12
Feces	3.13	2.75	5.74	5.99	4.4	1.7
Tissues	0.484	0.372	0.591	0.766	0.553	0.168
GI Tract Contents	0.409	0.301	0.553	1.12	0.596	0.364
Total	90.0	90.8	88.5	89.1	89.6	1.0

^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.