

**Distribution of Radioactivity 24 Hours Following Intravenous Administration of
10 mg/kg [¹⁴C]Butyl Paraben to Male Sprague Dawley Rats – Group 3b**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	3b-1	3b-2	3b-3	3b-4	Mean	SD
Urine	0 to 4	52.7	60.3	65.2	0.00	44.6	30.2
Urine	4 to 8	2.79	4.38	8.65	65.03	20.2	30.0
Urine	8 to 12	5.12	12.11	6.23	8.26	7.93	3.07
Urine	12 to 24 ^a	14.2	6.25	6.26	8.83	8.87	3.72
Cage Rinse	0 to 24	12.14	3.18	4.41	5.18	6.23	4.02
-	Subtotal	87.0	86.2	90.8	87.3	87.8	2.01
Feces	0 to 24	1.20	1.02	1.54	1.17	1.23	0.21
Total	-	88.1	87.3	92.4	88.5	89.1	2.25

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	17.2	2.46	0.305	0.063	0.010	0.001
Bladder	99.2	31.6	1.77	0.597	0.000	0.000
Muscle (hind leg) ^b	61.3	10.1	1.09	0.184	0.222	0.036
Skin (abdominal) ^b	51.9	11.5	0.92	0.185	0.088	0.018
Blood ^b	56.4	6.49	Unity	-	0.037	0.004
Plasma ^b	33.6	8.56	0.588	0.109	0.012	0.003
Spleen	162	35	2.87	0.545	0.003	0.001
Liver	270	43.3	4.82	0.916	0.090	0.017
Kidney	372	115	6.53	1.530	0.024	0.006
Brain	24.1	5.61	0.423	0.084	0.001	0.000
Heart	120	17.8	2.12	0.158	0.004	0.000
Lung	91.0	17.2	1.61	0.207	0.003	0.000
Stomach	115	36.4	2.02	0.541	0.006	0.003
Cecum	194	209	3.34	3.370	0.004	0.002
Large Intestine	192	65	3.37	0.889	0.009	0.003
Small Intestine	229	53.3	4.02	0.575	0.032	0.008
Thyroid	93.2	14.1	1.66	0.264	0.000	0.000
Testes	48.9	7.02	0.86	0.063	0.005	0.001
Pancreas	73.4	35.3	1.28	0.522	0.002	0.001
Total	-	-	-	-	0.557	0.086

Disposition Summary – Percent of Dose Recovered

Sample	3b-1	3b-2	3b-3	3b-4	Mean	SD
Urine ^c	87.0	86.2	90.8	87.3	87.8	2.01
Feces	1.2	1.02	1.54	1.17	1.23	0.21
Tissues	0.565	0.631	0.434	0.599	0.557	0.086
GI Tract Contents	0.08	0.37	0.1	0.24	0.19	0.13
Total	88.8	88.3	92.9	89.3	89.8	2.1

^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.