

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of
10 mg/kg [¹⁴C]Butyl Paraben to Male Sprague Dawley Rats – Group 3a**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	3a-1	3a-2	3a-3	3a-4	Mean	SD
Urine	0 to 4	59.9	70.3	51.8	47.3	57.3	10.1
Urine	4 to 8	10.3	7.34	10.7	13.8	10.5	2.64
Urine	8 to 12	2.41	5.16	6.63	6.19	5.1	1.89
Urine	12 to 24	3.86	3.58	12.2	10.3	7.49	4.42
Urine	24 to 48	6.94	0.82	2.29	3.27	3.33	2.61
Urine	48 to 72 ^a	1.21	0.18	0.85	0.83	0.76	0.42
Cage Rinse	0 to 72	2.6	0.37	0.51	1.67	1.29	1.05
-	Subtotal	87.2	87.8	85.0	83.4	85.8	2.04
Feces	0 to 24	0.64	1.81	0.81	1.18	1.11	0.51
Feces	24 to 48	0.17	0.28	0.21	0.24	0.22	0.04
Feces	48 to 72	0.06	0.05	0.08	0.10	0.07	0.02
-	Subtotal	0.87	2.14	1.10	1.52	1.41	0.55
Total	-	88.1	89.9	86.1	84.9	87.3	2.21

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	30	6.62	0.803	0.137	0.02	0.004
Muscle (hind leg) ^b	49.4	8.54	1.38	0.422	0.195	0.033
Skin (abdominal) ^b	56.9	11.7	1.59	0.543	0.105	0.022
Blood ^b	37	5.24	Unity	-	0.027	0.004
Plasma ^b	17.1	2.43	0.463	0.075	0.007	0.001
Spleen	115	16.5	3.19	0.897	0.003	0.001
Liver	295	51.3	8.19	2.49	0.091	0.017
Kidney	228	31.2	6.35	1.73	0.017	0.003
Brain	20	2.32	0.553	0.139	0.001	0.001
Heart	104	13.5	2.86	0.502	0.005	0.001
Lung	61	10.8	1.7	0.509	0.003	0.001
Testes	44.1	4.93	1.22	0.267	0.006	0.001
Total	-	-	-	-	0.479	0.062

Disposition Summary – Percent of Dose Recovered

Sample	3a-1	3a-2	3a-3	3a-4	Mean	SD
Urine ^c	87.2	87.8	85.0	83.4	85.8	2.04
Feces	0.87	2.14	1.1	1.52	1.41	0.55
Tissues	0.418	0.551	0.437	0.51	0.479	0.062
Total	88.49	90.46	86.55	85.40	87.72	2.23

^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