

**Distribution of Radioactivity 24 Hours Following Gavage Administration of
150 mg/kg [¹⁴C]Bisphenol S to Male Harlan Sprague Dawley Rats – Group 4**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	4_01	4_02	4_03	4_04	Mean	SD
Urine	0 to 8	8.56	6.70	15.1	7.40	9.44	3.85
Urine	8 to 24 ^a	14.0	26.9	22.6	25.3	22.2	5.75
-	Subtotal	22.6	33.6	37.7	32.7	31.6	6.43
Cage Rinse	0 to 8	4.00	6.39	5.00	3.94	4.83	1.15
Cage Rinse	8 to 24	13.6	4.98	5.12	5.86	7.39	4.16
-	Subtotal	17.6	11.4	10.1	9.80	12.2	3.65
Urine + Cage Rinse	Subtotal	40.2	45.0	47.8	42.5	43.9	3.29
Feces	0 to 24	4.13	7.40	14.3	6.34	8.04	4.39
-	Subtotal	4.13	7.40	14.3	6.34	8.04	4.39
Total	-	44.3	52.4	62.1	48.8	51.9	7.57

Distribution in Tissues (24 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose	5440	3150	1.16	0.90	0.26	0.15
Bladder	71100	64300	11.50	7.73	0.02	0.01
Blood	5850	2190	1.00	0.00	0.29	0.11
Brain	276	79	0.05	0.01	0.00	0.00
Cecum	426000	221000	83.9	49.2	0.86	0.56
Heart	2410	712	0.43	0.07	0.01	0.00
Kidney	13600	2780	2.56	0.92	0.08	0.01
Large Intestine	121000	56400	28.9	30.5	0.59	0.30
Liver	19900	4990	3.64	0.92	0.53	0.13
Lung	5610	2230	0.96	0.10	0.03	0.01
Muscle	880	281	0.15	0.02	0.24	0.07
Pancreas	19900	11100	4.45	3.88	0.08	0.05
Plasma	11000	4360	1.88	0.08	0.32	0.12
Skin	3210	1130	0.56	0.03	0.41	0.14
Small Intestine	325000	39700	62.8	26.0	3.54	0.53
Spleen	2050	1640	0.35	0.25	0.00	0.00
Stomach	19500	6010	4.40	3.94	0.08	0.03
Testes	1680	517	0.30	0.05	0.01	0.00
Thyroid	3740	2660	0.61	0.25	0.00	0.00
Total	-	-	-	-	7.34	1.12

Disposition Summary – Percent of Dose Recovered

Sample	4_01	4_02	4_03	4_04	Mean	SD
Urine ^{a, c}	40.2	45.0	47.8	42.5	43.9	3.29
Feces	4.13	7.40	14.3	6.34	8.04	4.39
Tissues	7.01	7.17	6.25	8.91	7.34	1.12
GI Tract Contents	32.4	25.7	18.7	24.9	25.4	5.60
GI Tract Rinse	1.10	1.17	1.75	1.59	1.40	0.32
Total	84.8	86.4	88.8	84.2	86.1	2.05

^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%, and blood 7.4%.

^c Includes cage rinse.

SD = standard deviation.

TBR = Tissue to blood ratio.