

**Distribution of Radioactivity 72 Hours Following Gavage Administration of
150 mg/kg [¹⁴C]Bisphenol S to Female B6C3F1/N Mice – Group 8**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	8_01	8_02	8_03	8_04	Mean	SD
Urine	0 to 24	48.3	21.8	30.7	28.2	32.3	11.30
Urine	24 to 48	2.1	1.9	2.5	0.9	1.9	0.66
Urine	48 to 72 ^a	0.21	0.10	0.35	0.09	0.19	0.12
-	Subtotal	50.6	23.8	33.6	29.2	34.3	11.6
Cage Rinse	0 to 24	20.40	23.80	34.80	36.10	28.80	7.85
Cage Rinse	24 to 48	1.93	3.43	5.69	1.47	3.13	1.90
Cage Rinse	48 to 72	0.49	2.03	1.07	0.73	1.08	0.68
-	Subtotal	22.8	29.3	41.6	38.3	33.0	8.54
Urine + Cage Rinse	Subtotal	73.4	53.1	75.1	67.5	67.3	10.0
Feces	0 to 24	11.20	26.40	7.38	14.20	14.8	8.22
Feces	24 to 48	1.6	1.83	2.82	1.61	1.95	0.59
Feces	48 to 72	0.08	0.55	0.24	0.12	0.25	0.21
-	Subtotal	12.8	28.8	10.4	15.9	17.0	8.17
Total	-	86.2	81.8	85.6	83.5	84.3	2.00

Distribution in Tissues (72 h)

Tissue ^b	ng-eq/g Mean ^c	ng-eq/g SD	TBR Mean ^c	TBR SD	Percent Recovery Mean ^d	Percent Recovery SD
Bladder	BLOQ	-	BLOQ	-	<0.000	-
Adipose	BLOQ	-	BLOQ	-	<0.000	-
Blood	111	18.2	1.00	0.00	0.004	0.001
Brain	BLOQ	-	BLOQ	-	<0.000	-
Cecum	127	43.6	1.16	0.47	0.000	0.001
Heart	BLOQ	-	BLOQ	-	<0.000	-
Kidney	28.1	13.9	0.26	0.16	<0.000	-
Large Intestine	63.4	19	0.50	0.35	<0.000	-
Liver	354	100	3.27	1.19	0.01	0.001
Lung	BLOQ	-	BLOQ	-	<0.000	-
Muscle	26.7	23.3	0.20	0.24	0.007	0.006
Ovaries	BLOQ	-	BLOQ	-	<0.000	-
Pancreas	BLOQ	-	BLOQ	-	<0.000	-
Plasma	BLOQ	-	BLOQ	-	<0.000	-
Skin	851	1080	8.39	11.20	0.083	0.097
Small Intestine	69.1	38.9	0.65	0.43	0.001	0.001
Spleen (Mouse)	BLOQ	-	BLOQ	-	<0.000	-
Stomach	130	18.9	1.20	0.31	0.001	0.001
Uterus with Fallopian Tubes	BLOQ	-	BLOQ	-	<0.000	-
Total	-	-	-	-	0.108	0.100

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Disposition Summary – Percent of Dose Recovered

Sample	8_01	8_02	8_03	8_04	Mean	SD
Urine ^{a, e}	73.4	53.1	75.1	67.5	67.3	10.02
Feces	12.8	28.8	10.4	15.9	17.0	8.17
Tissues	0.26	0.08	0.03	0.06	0.11	0.10
GI Tract Contents	<0.000	<0.000	<0.000	<0.000	<0.000	-
Total	86.5	81.9	85.6	83.5	84.4	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 38.4%, skin 16.5%, and blood 4.9%.

^c BLOQ: Concentration was below the limit of detection (aliquot DPM < 3 x background DPM) for 3 or more rats; when concentration is BLOQ, TBR is set to BLOQ.

^d Mean recovery <0.005 as calculated is 0.000.

^e Includes cage rinse.

SD = standard deviation.

TBR = Tissue to blood ratio.