

**Distribution of Radioactivity 72 Hours Following Gavage Administration of [¹⁴C]Bisphenol S
(150 mg/kg) to Male B6C3F1/N Mice – Group 7**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	7_01	7_02	7_03	7_04	Mean	SD
Urine	0 to 24	14.1	29.6	38.5	54.9	34.3	17.10
Urine	24 to 48	7.0	12.5	3.0	6.1	7.1	3.95
Urine	48 to 72 ^a	0.96	0.28	0.36	0.12	0.43	0.37
-	Subtotal	22.0	42.4	41.9	61.1	41.8	16.0
Cage Rinse	0 to 24	36.80	21.70	16.80	8.27	20.90	12.00
Cage Rinse	24 to 48	8.24	5.08	6.32	5.66	6.33	1.37
Cage Rinse	48 to 72	1.40	2.12	0.61	1.27	1.35	0.62
-	Subtotal	46.4	28.9	23.7	15.2	28.6	13.2
Urine + Cage Rinse	Subtotal	68.5	71.3	65.6	76.3	70.4	4.55
Feces	0 to 24	6.29	8.71	13.20	6.30	8.6	3.26
Feces	24 to 48	4.6	3.53	2.41	3.43	3.50	0.91
Feces	48 to 72	0.26	0.31	0.19	0.48	0.31	0.12
-	Subtotal	11.2	12.6	15.8	10.2	12.4	2.44
Total	-	79.7	83.8	81.4	86.5	82.9	2.97

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
Adipose	BLOQ	-	BLOQ	-	<0.000	-
Bladder	247	89.9	2.43	1.20	<0.000	-
Blood	108	35	1	0.00	0.003	0.001
Brain	BLOQ	-	BLOQ	-	<0.000	-
Cecum	489	285	4.68	2.05	0.001	0.001
Heart	BLOQ	-	BLOQ	-	<0.000	-
Kidney	96	40.7	0.935	0.379	0.001	0.001
Large Intestine	301	263	2.7	2.09	0.002	0.002
Liver	1280	318	12.6	3.92	0.036	0.01
Lung	BLOQ	-	BLOQ	-	<0.000	-
Muscle	BLOQ	-	BLOQ	-	<0.000	-
Pancreas	BLOQ	-	BLOQ	-	<0.000	-
Plasma	17.9	22.7	0.151	0.175	<0.000	-
Skin	1380	1280	15.8	15.6	0.135	0.118
Small Intestine	219	113	2.06	1.08	0.004	0.003
Spleen (Mouse)	BLOQ	-	BLOQ	-	<0.000	-
Stomach	292	114	2.97	1.57	0.001	0.001
Testes (Mouse)	BLOQ	-	BLOQ	-	<0.000	-
Total	-	-	-	-	0.187	0.126

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Disposition Summary – Percent of Dose Recovered

Sample	7_01	7_02	7_03	7_04	Mean	SD
Urine ^{a, e}	68.5	71.3	65.6	76.3	70.4	4.55
Feces	11.2	12.6	15.8	10.2	12.4	2.44
Tissues	0.16	0.19	0.35	0.04	0.19	0.13
GI Tract Contents	0.02	0.01	0.01	0.01	0.01	0.01
Total	79.9	84.0	81.8	86.6	83.1	2.89

^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 No sample.

^e Includes cage rinse.

SD = standard deviation.

TBR = Tissue to blood ratio.