

Distribution of Radioactivity 72 Hours Following Intravenous Administration of [¹⁴C]Bisphenol AF (34 mg/kg) to Male Harlan Sprague Dawley Rats – Group 5

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	5-01	5-02	5-03	5-04	Mean	SD
Urine	0 to 8	0.54	0.14	0.27	0.29	0.31	0.17
Urine	8 to 24	0.16	0.15	0.07	0.17	0.14	0.05
Urine	24 to 48	0.07	0.06	0.04	0.09	0.07	0.02
Urine	48 to 72 ^a	0.03	0.03	0.03	0.02	0.03	0.01
Cage Rinse	72	0.07	0.09	0.1	0.07	0.08	0.02
-	Subtotal	0.87	0.47	0.51	0.64	0.62	0.18
Feces	0 to 24	28	35.2	44.6	55.9	40.9	12.1
Feces	24 to 48	42.2	34.6	26.6	20.8	31.1	9.3
Feces	48 to 72	5.59	6.38	3.2	1.37	4.14	2.29
-	Subtotal	75.8	76.2	74.4	78.1	76.1	1.5
Total	-	76.7	76.7	74.9	78.7	76.7	1.6

Distribution in Tissues (72 h)

Tissue	ng-eq/g Mean	ng-eq/g SD	TBR Mean ^b	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal ^c	54	7	0.74	0.13	0.012	0.001
Bladder	52	18	0.87	0.24	<0.0005	0<0.0005
Muscle (hind leg) ^c	BLOQ	-	BLOQ	-	BLOQ	-
Skin (abdominal) ^c	38	8	0.64	0.12	0.020	0.003
Blood ^c	60	5	1	0	0.013	0.001
Plasma ^c	37	18	0.60	0.25	0.005	0.002
Spleen	137	26	2.3	0.31	0.001	0.001
Liver	906	274	15.1	3.5	0.072	0.048
Kidney	263	75	4.38	0.92	0.004	0.003
Brain	BLOQ	-	BLOQ	-	BLOQ	-
Heart	49	7	0.83	0.08	0.001	0.001
Lung	126	11	2.11	0.05	0.002	0.001
Stomach	91.6	44.9	1.51	0.80	0.002	0.001
Cecum	1300	763	21.4	11.4	0.009	0.004
Large Intestine	422	254	6.91	3.60	0.006	0.003
Small Intestine	905	966	14.5	14.5	0.036	0.033
Thyroid	70	-	1.13	-	<0.0005	-
Testes	24	1	0.39	0.04	0.001	0.001
Pancreas	150	160	2.4	2.5	0.001	0.001
Total	-	-	-	-	0.176	0.028

Disposition Summary – Percent of Dose Recovered

Sample	5-01	5-02	5-03	5-04	Mean	SD
Urine ^d	0.87	0.47	0.51	0.64	0.62	0.18
Feces	75.8	76.2	74.4	78.1	76.1	1.53
GI Tract Contents	2.03	0.65	0.85	0.23	0.94	0.77
Tissues	0.162	0.218	0.2	0.16	0.176	0.028
Total	78.9	77.5	75.9	79.1	77.9	1.5

^a Includes urine present in bladder at time of sacrifice.

^b Blood concentration was BLOQ for 2-01, so no TBR was calculated for that rat, for TBR, N=3.

^c 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%.

^d Includes cage rinse and urine present in bladder at time of sacrifice.

BLOQ=below limit of quantitation. Aliquot DPM < 3 x background (ca. 20-30 DPM) DPM was defined as BLOQ.