

Distribution of Radioactivity 72 Hours Following Gavage Administration of [¹⁴C]Bisphenol AF (340 mg/kg) to Male Harlan Sprague Dawley Rats – Group 1

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	1-01	1-02	1-03	1-04	Mean	SD
Urine	0 to 8	0.02	0.06	0.07	0.04	0.05	0.02
Urine	8 to 24	0.06	0.82	3.11	0.20	1.05	1.42
Urine	24 to 48	0.07	0.31	0.60	0.24	0.31	0.22
Urine	48 to 72 ^a	0.02	0.29	0.29	0.07	0.17	0.14
Cage Rinse	72	0.29	3.06	5.34	5.77	3.62	2.52
-	Subtotal	0.46	4.54	9.41	6.32	5.18	3.74
Feces	0 to 24	13.3	0.87	0.90	6.85	5.49	5.94
Feces	24 to 48	56.7	41.3	38.8	33.9	42.7	9.8
Feces	48 to 72	18.3	34.2	21.4	24.1	24.5	6.9
-	Subtotal	88.3	76.4	61.1	64.8	72.6	12.3
Total	-	88.7	81.0	70.5	71.1	77.8	8.7

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	920	460	1.5	1.2	0.019	0.009
Bladder	500	200	0.64	0.22	<0.005	<0.005
Muscle (hind leg) ^b	120	25	0.18	0.13	0.014	0.003
Skin (abdominal) ^b	520	140	0.94	0.93	0.029	0.007
Blood ^b	970	760	1	0	0.021	0.017
Plasma ^b	990	73	0.93	0.46	0.013	0.001
Spleen	370	74	0.57	0.37	0.000	0.000
Liver	12200	2400	18.8	11.9	0.127	0.020
Kidney	1990	507	2.77	1.26	0.005	0.001
Brain	100	10	0.2	0.1	<0.005	<0.005
Heart	420	84	0.60	0.32	0.001	0.001
Lung	870	260	1.20	0.46	0.002	0.001
Stomach	23200	20600	38.3	37.3	0.041	0.032
Cecum	148000	90000	164	32	0.230	0.163
Large Intestine	23700	13600	31.4	20.1	0.046	0.023
Small Intestine	161000	67400	220	121	0.930	0.471
Thyroid	390	76	0.40	0.17	<0.005	<0.005
Testes	220	51	0.35	0.23	0.001	0.000
Pancreas	1670	628	2.79	2.37	0.002	0.001
Total	-	-	-	-	1.480	0.561

Disposition Summary – Percent of Dose Recovered

Sample	1-01	1-02	1-03	1-04	Mean	SD
Urine ^c	0.46	4.54	9.41	6.32	5.18	3.74
Feces	88.3	76.4	61.1	64.8	72.6	12.3
GI Tract Contents	2.86	4.62	2.23	1.13	2.71	1.46
Tissues	1.30	1.91	1.94	0.76	1.48	0.56
Total	92.9	87.5	74.7	73.0	82.0	9.73

^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 and urine present in bladder at time of sacrifice.