

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of 15 mg/kg
[¹⁴C]2-Methoxy-4-Nitroaniline to Male Harlan Sprague Dawley Rats – Group 6b**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	6b-1	6b-3	6b-4	6b-5	Mean	SD
Urine	0 to 4	35.7	11.3	48.2	0.01	23.8	22.1
Urine	4 to 8	15.6	1.0	8.97	60.9	21.6	26.9
Urine	8 to 12	7.37	38.2	5.54	8.35	14.9	15.6
Urine	12 to 24	13.9	6.29	13.2	8	10.3	3.77
Urine	24 to 48	4.18	7.36	3.95	2.65	4.53	2.00
Urine	48 to 72 ^a	0.73	0.49	0.56	0.3	0.526	0.177
Cage Rinse	0 to 72	0.95	0.58	0.68	0.54	0.695	0.185
-	Subtotal	78.4	65.2	81.1	80.8	76.4	7.5
Feces	0 to 24	8.27	8.43	6.71	6.88	7.57	0.906
Feces	24 to 48	0.11	0.95	0.38	0.09	0.386	0.403
Feces	48 to 72	0.39	0.25	0.21	0.16	0.3	0.097
-	Subtotal	8.78	9.65	7.31	7.14	8.22	1.20
Total	-	87.2	74.9	88.4	87.9	84.6	6.51

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	18.0	4.5	0.101	0.034	0.008	0.002
Muscle (hind leg) ^b	13.0	0.4	0.071	0.007	0.035	0.001
Skin (abdominal) ^b	71.3	19.0	0.398	0.130	0.090	0.024
Blood ^b	182	17.0	Unity	-	0.090	0.008
Plasma ^b	36.2	4.4	0.200	0.022	0.010	0.001
Spleen	58.6	4.3	0.324	0.029	0.000	0.000
Liver	301	16.5	1.66	0.114	0.098	0.005
Kidney	122	13.3	0.671	0.046	0.005	0.000
Brain	11.1	5.7	0.061	0.030	0.000	0.000
Heart	55.0	8.8	0.302	0.030	0.001	0.000
Lung	113	12.3	0.627	0.102	0.004	0.000
Pancreas	21.0	2.8	0.117	0.026	0.000	0.000
Total	-	-	-	-	0.347	0.028

Disposition Summary – Percent of Dose Recovered

Sample	6b-1	6b-3	6b-4	6b-5	Mean	SD
Urine ^c	78.4	65.2	81.1	80.8	76.4	7.5
Feces	8.78	9.65	7.31	7.14	8.22	1.2
Tissues	0.37	0.311	0.337	0.37	0.347	0.028
Total	87.60	75.14	88.83	88.35	84.98	6.58

^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%. ILSI (1994). *Physiological Parameter Values for PBPK Models*. International Life Sciences Institute.

^c Includes Cage Rinse.