

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of 15 mg/kg
[¹⁴C]2-Methoxy-4-Nitroaniline to Female B6C3F₁ Mice – Group 15**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	15-01	15-02	15-03	15-04	Mean	SD
Urine	0 to 4	N.S.	N.S.	N.S.	N.S.	0	0
Urine	4 to 8	N.S.	N.S.	N.S.	N.S.	0	0
Urine	8 to 12	45.7	N.S.	N.S.	22.2	17	21.8
Urine	12 to 24	20.4	N.S.	N.S.	N.S.	5.1	10.2
Urine	24 to 48	8.58	42.5	24.3	12	21.8	15.3
Urine	48 to 72 ^a	2.96	5.28	6.04	19.3	8.4	7.39
Cage Rinse	0 to 72	4.28	5.57	40.3	11.2	15.3	16.9
-	Subtotal	81.9	53.4	70.6	64.7	67.7	11.9
Feces	0 to 24	5.82	30	8.17	19.3	15.8	11.1
Feces	24 to 48	1.74	3.71	5.82	6.8	4.52	2.26
Feces	48 to 72	1.25	2.47	0.99	0.88	1.4	0.73
-	Subtotal	8.81	36.2	15	27	21.8	12.2
Total	-	90.7	89.5	85.6	91.7	89.4	2.67

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	0	0	0	0	0	0
Muscle (hind leg) ^b	16.4	2.86	0.176	0.032	0.034	0.007
Skin (abdominal) ^b	66	28.2	0.704	0.308	0.057	0.025
Blood ^b	93.8	4.87	1	0	0.024	0.001
Plasma ^b	38.1	5.2	0.406	0.045	0.006	0.001
Spleen	77.1	32.9	0.811	0.301	0.001	0
Liver	317	42.8	3.37	0.304	0.072	0.005
Kidney	63.8	4.63	0.68	0.034	0.005	0
Brain	16.6	2.33	0.177	0.026	0.002	0.001
Heart	59.3	1.89	0.634	0.018	0.002	0
Lung	110	23.3	1.17	0.214	0.006	0.001
Pancreas	30.8	11.3	0.33	0.128	0.001	0.001
Total	-	-	-	-	0.209	0.023

Disposition Summary – Percent of Dose Recovered

Sample	15-01	15-02	15-03	15-04	Mean	SD
Urine ^c	81.9	53.4	70.6	64.7	67.7	11.9
Feces	8.81	36.2	15	27	21.8	8.81
Tissues	0.216	0.183	0.20	0.238	0.21	0.02
Total	90.9	89.8	85.8	91.9	89.6	2.69

^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%, blood 4.9%, and plasma 2.8%. ILSI (1994). *Physiological Parameter Values for PBPK Models*. International Life Sciences Institute.

^c Includes Cage Rinse.

N.S. = no sample.