

**Distribution of Radioactivity 72 Hours Following Oral Gavage of 15 mg/kg
[¹⁴C]2-Methoxy-4-Nitroaniline to Female B6C3F₁ Mice – Group 10**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	10-01	10-02	10-03	10-04	Mean	SD
Urine	0 to 4	N.S.	0	N.S.	N.S.	0	0
Urine	4 to 8	N.S.	N.S.	N.S.	N.S.	0	0
Urine	8 to 12	N.S.	N.S.	25.2	5.12	7.58	12
Urine	12 to 24	25.9	5	0.51	2.78	8.55	11.7
Urine	24 to 48	4.86	30.9	0.96	2.16	9.72	14.2
Urine	48 to 72 ^a	4.75	25.4	1.97	17.5	12.4	11
Cage Rinse	72	7.84	8.46	28	35.7	20	14
-	Subtotal	43.4	69.8	56.6	63.3	58.3	11.3
Feces	0 to 24	35.1	5.83	12.3	6.61	15	13.7
Feces	24 to 48	13	2.88	1.37	7.05	6.08	5.2
Feces	48 to 72	1.97	0.92	0.59	2.52	1.5	0.9
-	Subtotal	50.1	9.63	14.3	16.2	22.6	18.6
Total	-	93.4	79.4	70.9	79.4	80.8	9.32

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	37.5	15.1	1.03	0.435	0.015	0.006
Muscle (hind leg) ^b	10.1	6.18	0.266	0.132	0.023	0.013
Skin (abdominal) ^b	43.5	21.7	1.16	0.462	0.042	0.02
Blood ^b	36.7	4.46	Unity	-	0.011	0.001
Plasma ^b	25.8	7.21	0.695	0.13	0.004	0.001
Spleen	41.3	20.4	1.15	0.623	0.001	0.001
Liver	272	21	7.54	1.44	0.066	0.006
Kidney	60.3	23.9	1.62	0.519	0.005	0.002
Brain	7.65	1.93	0.21	0.05	0.001	0
Heart	33.6	7.91	0.912	0.164	0.001	0.001
Lung	56.3	14.8	1.53	0.256	0.003	0.001
Pancreas	39	19.7	1.05	0.478	0.002	0.001
Total	-	-	-	-	0.172	0.031

Disposition Summary – Percent of Dose Recovered

Sample	10-01	10-02	10-03	10-04	Mean	SD
Urine ^c	43.4	69.8	56.6	63.3	58.3	11.3
Feces	50.1	9.63	14.3	16.2	22.6	18.6
Tissues	0.168	0.142	0.162	0.215	0.17	0.03
Total	93.6	79.5	71.1	79.7	81.0	9.34

^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