

**Distribution of Radioactivity 72 Hours Following Oral Gavage of 15 mg/kg
[¹⁴C] 2-Methoxy-4-Nitroaniline to Male B6C3F₁ Mice – Group 11**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	11-01	11-02	11-03	11-04	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	15.9	N.S.	25.8	N.S.	10.4	12.7
Urine	12 to 24	7.7	21.9	13.6	15	14.6	5.83
Urine	24 to 48	15.1	13.9	17.3	6.79	13.3	4.55
Urine	48 to 72 ^a	9.73	1.52	4.07	1.53	4.21	3.87
Cage Rinse	72	3.66	12	9.06	28.4	13.3	10.7
-	Subtotal	52.1	49.3	69.8	51.7	55.7	9.5
Feces	0 to 24	11.2	7.87	17.3	11.5	12	3.92
Feces	24 to 48	18.6	10.5	7.43	14.8	12.8	4.89
Feces	48 to 72	1.39	9.33	0.53	1.6	3.21	4.1
-	Subtotal	31.2	27.7	25.3	27.9	28	2.42
Total	-	83.3	77	95.1	79.6	83.8	8

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	50.1	24.4	1.37	0.616	0.022	0.009
Muscle (hind leg) ^b	13.4	3.12	0.363	0.07	0.032	0.008
Skin (abdominal) ^b	41.2	21.1	1.11	0.492	0.042	0.019
Blood ^b	36.6	3.17	Unity	-	0.011	0.001
Plasma ^b	22.9	4.98	0.628	0.131	0.004	0.001
Spleen	35.3	3.26	0.933	0.092	0	0.001
Liver	233	11.6	6.42	0.686	0.07	0.004
Kidney	62	19.2	1.67	0.391	0.006	0.002
Brain	11	3.54	0.3	0.098	0.001	0.001
Heart	42.6	4.25	1.17	0.061	0.002	0.001
Lung	57	4.56	1.57	0.209	0.003	0.001
Pancreas	55.4	57.1	1.46	1.42	0.003	0.002
Total	-	-	-	-	0.195	0.033

Disposition Summary – Percent of Dose Recovered

Sample	11-01	11-02	11-03	11-04	Mean	SD
Urine ^c	52.1	49.3	69.8	51.7	55.7	9.5
Feces	31.2	27.7	25.3	27.9	28	2.42
Tissues	0.161	0.24	0.189	0.192	0.20	0.03
Total	83.4	77.2	95.3	79.8	84.0	8.01

^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.