

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

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	14-01	14-02	14-03	14-04	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	34.4	N.S.	44.1	N.S.	19.6	23
Urine	12 to 24	8.88	16.7	9.58	N.S.	8.79	6.84
Urine	24 to 48	3.82	N.S.	11.6	5.16	5.14	4.83
Urine	48 to 72 ^a	2.61	10.8	2.36	11.3	6.77	4.95
Cage Rinse	0 to 72	29.5	15.9	5.25	7.31	14.5	11
-	Subtotal	79.2	43.4	72.9	23.8	54.8	25.9
Feces	0 to 24	6.09	12.9	11.9	40	17.7	15.2
Feces	24 to 48	0.42	19.2	2.37	17.4	9.85	9.82
Feces	48 to 72	0.43	1.34	1.24	6.65	2.42	2.85
-	Subtotal	6.94	33.4	15.5	64.1	30	25.3
Total	-	86.2	76.8	88.4	87.8	84.8	5.41

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	4.94	9.87	0.059	0.12	0.002	0.005
Muscle (hind leg) ^b	24.5	5.56	0.2	0.025	0.052	0.008
Skin (abdominal) ^b	211	229	1.63	1.72	0.193	0.216
Blood ^b	124	28.2	1	0	0.034	0.005
Plasma ^b	32.9	8.97	0.268	0.053	0.005	0.001
Spleen	82.8	29.5	0.663	0.128	0.001	0
Liver	349	29.5	2.94	0.681	0.072	0.008
Kidney	111	12	0.921	0.16	0.01	0.001
Brain	28.8	5.57	0.235	0.012	0.004	0.001
Heart	100	15.9	0.822	0.084	0.004	0.001
Lung	185	18.5	1.55	0.321	0.008	0
Pancreas	45.2	24.7	0.373	0.183	0.002	0.001
Total	-	-	-	-	0.386	0.225

Disposition Summary – Percent of Dose Recovered

Sample	14-01	14-02	14-03	14-04	Mean	SD
Urine ^c	79.2	43.4	72.9	23.8	54.8	25.9
Feces	29.50	15.90	5.25	7.31	14.5	11.0
Tissues	0.234	0.377	0.225	0.706	0.39	0.23
Total	86.4	77.2	88.6	88.6	85.2	5.44

^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.