

**Distribution of Radioactivity 72 Hours Following Gavage Administration of 5 mg/kg
[¹⁴C]Hydroquinone to Female B6C3F1/N Mice – Group 9**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	9_01	9_02	9_03	9_04	Mean	SD
Urine	0 to 8	N.S.	0.0	N.S.	N.S.	0	0
Urine	8 to 24	3.48	3.45	0.25	23.9	7.76	10.8
Urine	24 to 48	0.32	0.46	0.23	2.06	0.77	0.87
Urine	48 to 72 ^a	0.06	0.10	0.08	0.36	0.15	0.14
-	Subtotal	3.86	4.01	0.56	26.3	8.69	11.9
Cage Rinse	0 to 8	82.9	82.2	11.0	0.14	44.1	44.7
Cage Rinse	8 to 24	1.97	3.6	18.60	29.7	13.5	13.2
Cage Rinse	24 to 48	0.06	0.12	0.05	0.58	0.20	0.26
Cage Rinse	48 to 72	0.16	0.07	0.06	0.42	0.18	0.17
-	Subtotal	85.1	86.0	29.7	30.8	57.9	31.9
Urine + Cage Rinse	Subtotal	89.0	90.0	30.3	57.2	66.6	28.6
Feces	0 to 24	7.14	5.21	57.0	25.5	23.7	24.0
Feces	24 to 48	0.47	0.68	0.21	1.62	0.74	0.61
Feces	48 to 72	0.07	0.08	0.06	0.17	0.09	0.05
-	Subtotal	7.68	5.97	57.3	27.3	24.6	23.9
Total	-	96.6	96.0	87.5	84.5	91.1	6.09

Distribution in Tissues (72 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	21.2	11.5	2.42	1.16	0.0295	0.0158
Bladder	8.0	3.7	0.943	0.373	0.0001	0.0001
Muscle (hind leg)	3.3	1.0	0.388	0.062	0.0254	0.0075
Skin (abdominal)	8.0	3.3	0.927	0.302	0.026	0.0105
Blood	8.4	1.4	1	0	0.0081	0.0013
Plasma	5.6	1.1	0.66	0.092	0.0002	<0.0001
Spleen	9.0	2.2	1.07	0.238	0.0004	<0.0001
Liver	120	27.9	14.2	2.1	0.099	0.0227
Kidney	14.7	2.6	1.76	0.249	0.0044	0.0007
Brain	4.99	1.72	0.589	0.165	0.0021	0.0007
Heart	5.62	1.32	0.67	0.129	0.0006	0.0002
Lung	7.7	2.7	0.911	0.248	0.0013	0.0002
Stomach	32.0	27.3	3.79	2.97	0.0035	0.0035
Cecum	BLOQ	-	BLOQ	-	BLOD	-
Large Intestine	10.2	3.7	1.24	0.503	0.0017	0.0009
Small Intestine	22	20.4	2.56	2.2	0.0111	0.0098
Thyroid	BLOQ	-	BLOQ	-	BLOD	-
Ovaries	15.6	6.9	1.8	0.64	0.0004	0.0002
Pancreas	10.5	2.5	1.24	0.145	0.0016	0.0008
Uterus with Fallopian Tubes	13.4	6.2	1.55	0.599	0.0016	0.0002
Femur	4.1	0.6	0.5	0.11	0.0003	<0.0001
Marrow	48.4	40.4	3.94	4.42	<0.0001	<0.0001
Total	-	-	-	-	0.221	0.07

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Disposition Summary – Percent of Dose Recovered

Sample	9_01	9_02	9_03	9_04	Mean	SD
Urine ^{a, c}	89.0	90.0	30.3	57.2	66.6	28.61
Feces	7.68	5.97	57.3	27.3	24.6	23.9
Tissues	0.2	0.143	0.23	0.31	0.221	0.07
GI Tract Contents	0.01	0.01	0.01	0.06	0.02	0.03
Total	96.9	96.1	87.8	84.9	91.4	6.0

^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%, and blood 4.9%.

^c Includes cage rinse.

N.S. = No sample.

BLOQ = Below the limit of quantitation. Aliquot DPM were less than 3 times background DPM. Background DPM typically <20 DPM.

SD = standard deviation.

TBR = Tissue to blood ratio.