Distribution of Radioactivity 72 Hours Following Gavage Administration of 0.5 mg/kg [^{14}C]Hydroquinone to Male B6C3F1/N Mice – Group 8

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	8_01	8_02	8_03	8_04	Mean	SD
Urine	0 to 8	N.S.	N.S.	N.S.	N.S.	0	0
Urine	8 to 24	56.6	23.2	67.0	68.9	53.9	21.2
Urine	24 to 48	0.77	0.19	1.04	0.69	0.67	0.35
Urine	48 to 72[a]	0.20	0.08	0.21	0.32	0.20	0.10
-	**Subtotal**	**57.6**	**23.5**	**68.3**	**69.9**	**54.8**	**21.6**
Cage Rinse	0 to 8	4.45	57.9	0.23	0.3	15.7	28.2
Cage Rinse	8 to 24	13.3	2.3	13.60	11.9	10.3	5.37
Cage Rinse	24 to 48	0.70	0.09	1.04	0.45	0.57	0.40
Cage Rinse	48 to 72	0.58	0.07	0.26	0.56	0.37	0.25
-	**Subtotal**	**19.0**	**60.4**	**15.1**	**13.2**	**26.9**	**22.4**
Urine + Cage Rinse	**Subtotal**	**76.6**	**83.8**	**83.4**	**83.1**	**81.7**	**3.43**
Feces	0 to 24	14.7	8.25	6.26	11.3	10.1	3.68
Feces	24 to 48	0.33	0.57	1.16	0.47	0.63	0.37
Feces	48 to 72	0.19	0.03	0.07	0.10	0.10	0.07
-	**Subtotal**	**15.2**	**8.85**	**7.49**	**11.9**	**10.9**	**3.44**
Total	**-**	**91.8**	**92.7**	**90.9**	**95.0**	**92.6**	**1.75**

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	1.52	0.16	1.02	0.182	0.0223	0.0019
Bladder	1.7	0.7	1.1	0.365	0.0004	0.0002
Muscle (hind leg)	0.57	0.16	0.388	0.152	0.0459	0.014
Skin (abdominal)	1.3	0.3	0.83	0.165	0.0437	0.0106
Blood	1.5	0.2	1	0	0.0156	0.0022
Plasma	0.5	0.1	0.34	0.036	0.0003	0.0001
Liver	3.6	0.5	2.36	0.186	0.0341	0.0062
Kidney	3.2	0.3	2.12	0.334	0.0105	0.0012
Brain	0.5	0	0.323	0.042	0.0016	0.0002
Heart	1.1	0.4	0.712	0.17	0.001	0.0003
Lung	1.6	0.4	1.05	0.206	0.0018	0.0002
Stomach	2.3	0.2	1.51	0.081	0.0018	0.0001
Cecum	2.82	0.37	1.87	0.181	0.0012	0.0002
Large Intestine	2.4	0.3	1.61	0.29	0.0036	0.0004
Small Intestine	2.1	0.6	1.36	0.251	0.0087	0.001
Thyroid	BLOQ	-	BLOQ	-	BLOQ	-
Spleen (Mouse)	1.8	0.5	1.16	0.261	0.0004	<0.0001
Pancreas	1.3	0.3	0.876	0.152	0.0026	0.0011
Testes (Mouse)	0.63	0.19	0.876	0.152	0.0008	0.0002
Femur	0.6	0	0.404	0.03	0.0002	0.0001
Marrow	BLOQ	-	BLOQ	-	BLOD	-
Total	**-**	**-**	**-**	**-**	**0.197**	**0.023**

Distribution of Radioactivity 72 Hours Following Gavage Administration of 0.5 mg/kg [^{14}C]Hydroquinone to Male B6C3F1/N Mice – Group 8

Disposition Summary – Percent of Dose Recovered

Sample	8_01	8_02	8_03	8_04	Mean	SD
Urine[a, c]	76.6	83.8	83.4	83.1	81.7	3.43
Feces	15.22	8.85	7.49	11.87	10.86	3.44
Tissues	0.193	0.166	0.212	0.216	0.197	0.023
GI Tract Contents	0.01	0.01	0.01	0.01	0.01	0.00
Total	**92.0**	**92.8**	**91.1**	**95.2**	**92.8**	**1.8**

[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.