Distribution of Radioactivity 72 Hours Following Intravenous Administration of 5 mg/kg [^{14}C]Hydroquinone to Male B6C3F1/N Mice – Group 13

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	13_01	13_02	13_03	13_04	Mean	SD
Urine	0 to 8	N.S.	N.S.	N.S.	N.S.	NA	-
Urine	8 to 24	45.5	57.4	64.5	71.1	59.6	11.0
Urine	24 to 48	5.12	2.37	3.07	5.51	4.02	1.53
Urine	48 to 72[a]	1.05	0.30	0.75	1.14	0.81	0.38
-	**Subtotal**	**51.7**	**60.1**	**68.3**	**77.8**	**64.5**	**11.2**
Cage Rinse	0 to 24	23.6	21.7	11.4	12.9	17.4	6.1
Cage Rinse	24 to 48	3.02	0.60	3.61	2.19	2.36	1.31
Cage Rinse	48 to 72	2.39	0.94	0.70	0.53	1.14	0.85
-	**Subtotal**	**29.0**	**23.2**	**15.7**	**15.6**	**20.9**	**6.5**
Urine + Cage Rinse	**Subtotal**	**80.7**	**83.3**	**84.0**	**93.4**	**85.4**	**5.6**
Feces	0 to 24	3.04	7.31	3.70	2.97	4.26	2.06
Feces	24 to 48	0.90	1.55	1.81	0.85	1.28	0.48
Feces	48 to 72	0.97	0.44	0.26	0.26	0.48	0.34
-	**Subtotal**	**4.91**	**9.30**	**5.77**	**4.08**	**6.02**	**2.30**
Total	**-**	**85.6**	**92.6**	**89.8**	**97.5**	**91.4**	**5.0**

Distribution in Tissues (72 h)

Tissues[b]	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	301	112	0.61	0.10	0.407	0.123
Bladder	104	43	0.23	0.12	0.0027	0.0014
Muscle (hind leg)	32	7	0.07	0.02	0.243	0.0483
Skin (abdominal)	89	25	0.20	0.08	0.286	0.0749
Blood	487	156	1.00	-	0.463	0.111
Plasma	90	56	0.19	0.12	0.0069	0.0043
Spleen	4610	1290	9.61	1.48	0.168	0.0445
Liver	148	38	0.31	0.07	0.145	0.0193
Kidney	222	13	0.48	0.12	0.0697	0.0062
Brain	157	9	0.34	0.08	0.0605	0.0055
Heart	210	138	0.40	0.12	0.0257	0.0179
Lung	252	69	0.53	0.10	0.0402	0.0153
Stomach	BLOQ (47)	(15)	BLOQ (0.09)	0.06	BLOQ	-
Cecum	BLOQ (41)	(22)	BLOQ (0.07)	0.08	BLOQ	-
Large Intestine	62	15	0.13	0.03	0.0098	0.0021
Small Intestine	76	12	0.17	0.05	0.0367	0.0063
Thyroid	667	505	1.28	0.66	0.0007	0.0004
Femur	251	66	0.56	0.22	0.0108	0.0008
Marrow	1110	1700	1.74	2.27	0.001	0.001
Pancreas	155	36	0.33	0.05	0.0305	0.009
Testes	31	4	0.07	0.01	0.0047	0.0004
Total	**-**	**-**	**-**	**-**	**2.02**	**0.26**

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Disposition Summary – Percent of Dose Recovered

Sample	13_01	13_02	13_03	13_04	Mean	SD
Urine[a, c]	80.7	83.3	84.0	93.4	85.4	5.6
Feces	4.91	9.30	5.77	4.08	6.02	2.30
Tissues	1.83	2.38	2.02	1.85	2.02	0.26
GI Tract Contents	0.06	0.03	0.02	0.03	0.04	0.02
Total	**87.5**	**95.0**	**91.8**	**99.4**	**93.4**	**5.0**

[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. $

NA = Not applicable $

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. $