Distribution of Radioactivity 72 Hours Following Gavage Administration of 5 mg/kg [^{14}C]Hydroquinone to Male B6C3F1/N Mice – Group 7

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	7_01	7_02	7_03	7_04	Mean	SD
Urine	0 to 8	0	0	N.S.	N.S.	0	0
Urine	8 to 24	47.7	12.5	66.6	79.1	51.5	29
Urine	24 to 48	4.25	1.57	3.11	1.08	2.50	1.45
Urine	48 to 72[a]	0.31	0.15	0.46	0.12	0.26	0.16
-	**Subtotal**	**52.3**	**14.2**	**70.2**	**80.3**	**54.2**	**29.1**
Cage Rinse	0 to 8	0.16	38.8	0.97	0.3	10.1	19.2
Cage Rinse	8 to 24	19	9.22	11	10.6	12.50	4.44
Cage Rinse	24 to 48	1.50	0.87	0.68	0.25	0.83	0.52
Cage Rinse	48 to 72	0.91	0.63	0.16	0.04	0.434	0.40
-	**Subtotal**	**21.6**	**49.5**	**12.8**	**11.2**	**23.8**	**17.8**
Urine + Cage Rinse	**Subtotal**	**73.8**	**63.7**	**83.0**	**91.5**	**78.0**	**11.93**
Feces	0 to 24	11.6	7.29	7.73	3.36	**7.5**	**3.37**
Feces	24 to 48	1.42	0.74	0.84	0.3	**0.8**	**0.46**
Feces	48 to 72	0.5	0.09	0.36	0.04	**0.2**	**0.22**
-	**Subtotal**	**13.5**	**8.12**	**8.93**	**3.71**	**8.6**	**4.03**
Total	**-**	**87.3**	**71.9**	**91.9**	**95.2**	**86.6**	**10.3**

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	22.4	4.7	2.3	0.584	0.0298	0.0073
Bladder	17.8	6.1	1.77	0.482	0.0004	0.0001
Muscle (hind leg)	5.52	1.89	BLOQ	-	0.0406	0.0157
Skin (abdominal)	13.3	3.8	1.31	0.229	0.0411	0.0103
Blood	10	1.7	1	0	0.0092	0.0015
Plasma	6.10	1.43	-	-	0.0003	<0.0001
Liver	123	19.3	12.4	1.03	0.0005	0.0002
Kidney	30.5	7.6	3.04	0.333	0.101	0.0171
Brain	6.8	2.5	0.668	0.142	0.0094	0.0021
Heart	10.1	5.7	0.999	0.531	0.0023	0.0009
Lung	13.7	7.4	1.34	0.651	0.0008	0.0003
Stomach	44.3	36	4.37	3.37	0.0017	0.0008
Cecum	66	44.1	6.33	3.35	0.0035	0.0031
Large Intestine	23.6	10.6	2.28	0.883	0.0031	0.0018
Small Intestine	28.8	6.8	2.86	0.395	0.0033	0.0016
Thyroid	77.1	63.0	-	-	0.0138	0.0039
Spleen (Mouse)	21.5	15.2	2.11	1.43	<0.0001	<0.0001
Pancreas	15.6	5.8	1.53	0.448	0.0025	0.0009
Testes (Mouse)	5.6	2.8	0.553	0.247	0.0007	0.0003
Femur	6.8	2	0.666	0.107	0.0001	0.0001
Marrow	BLOQ	-	BLOQ	-	BLOD	-
Total	**-**	**-**	**-**	**-**	**0.265**	**0.04**

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Disposition Summary – Percent of Dose Recovered

Sample	7_01	7_02	7_03	7_04	Mean	SD
Urine[a, c]	73.8	63.7	83.0	91.5	78.0	11.9
Feces	13.5	8.12	8.93	3.71	8.57	4.03
Tissues	0.276	0.317	0.233	0.233	0.265	0.04
GI Tract Contents	0.04	0.03	0.02	0.01	0.03	0.01
Total	**87.6**	**72.2**	**92.2**	**95.5**	**86.9**	**10.3**

[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.