

**Distribution of Radioactivity 72 Hours Following Covered Dermal Administration of
50 mg/kg [¹⁴C]EGEHE to Male B6C3F1/N Mice – Group 12**

Disposition Summary [Dose Recovered (%)]

Sample	12001	12002	12003	12004	Mean	SD
Total Unabsorbed Dose	64.2	70.3	54.8	59.7	62.2	6.62
Dose Site Swipes	7.91	8.79	5.71	10.3	8.18	1.91
VOC ^a	55.6	61.1	48.5	49.1	53.6	5.95
Total Dose Site Skin	0.67	0.41	0.54	0.25	2.19	1.26
Total Absorbed Dose	24.3	21.3	21.5	19.4	21.6	1.99
Urine	18.4	16.9	12.8	8.8	14.2	4.34
Urine	6.5	2.3	1.0	0.7	2.6	2.67
Cage Rinse	11.9	14.6	11.8	8.1	11.6	2.67
Feces	1.76	1.85	6.11	7.94	4.42	3.11
GI Tract Contents	0.05	0.05	0.08	0.13	0.08	0.04
Tissues	0.48	0.58	0.87	0.86	0.69	0.20
CO ₂	3.59	1.90	1.62	1.74	2.21	0.93
Total Recovered	88.5	91.6	76.2	79.1	83.9	7.35

^aVOC included as unabsorbed dose due to evaporation from dose site

Dose Recovered in Excreta (%)

Sample	Collection Interval (h)	12001	12002	12003	12004	Mean ^a	SD
Urine	4 to 8	0.88	0.00	0.00	0.04	0.23	0.43
Urine	12 to 24	4.99	1.73	0.47	0.03	1.80	2.24
Urine	24 to 48	0.40	0.44	0.21	0.45	0.37	0.11
Urine ^b	48 to 72	0.19	0.14	0.30	0.13	0.19	0.08
Urine Subtotal	–	N.S.^c	N.S.	N.S.	N.S.	N.S.	N.S.
Cage Rinse	4 to 8	8.09	11.97	7.16	1.89	7.28	4.15
Cage Rinse	12 to 24	2.44	1.53	3.75	4.53	3.06	1.33
Cage Rinse	24 to 48	1.12	0.56	0.72	0.55	0.74	0.27
Cage Rinse	48 to 72	0.28	0.56	0.20	1.15	0.55	0.43
Cage Rinse Subtotal	–	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Feces	0 to 24	0.95	0.87	4.10	5.17	2.77	2.20
Feces	24 to 48	0.36	0.59	0.25	1.22	0.60	0.44
Feces	48 to 72	0.46	0.39	1.76	1.55	1.04	0.72
Feces Subtotal	–	1.76	1.85	6.11	7.94	4.42	1.15
CO ₂	0 to 4	2.47	0.91	0.58	0.53	1.13	0.91
CO ₂	4 to 8	0.33	0.25	0.32	0.27	0.29	0.04
CO ₂	8 to 12	0.20	0.16	0.15	0.16	0.17	0.02
CO ₂	12 to 24	0.26	0.25	0.25	0.27	0.26	0.01
CO ₂	24 to 48	0.17	0.13	0.12	0.27	0.17	0.07
CO ₂	48 to 72	0.16	0.19	0.19	0.25	0.20	0.04
CO₂ Subtotal	–	3.59	1.90	1.62	1.74	2.21	0.37
VOC	0 to 4	7.70	6.66	7.30	5.11	6.69	1.14
VOC	4 to 8	7.12	8.08	7.05	7.50	7.44	0.47
VOC	8 to 12	5.89	6.40	5.56	5.17	5.7	0.52
VOC	12 to 24	11.15	13.70	12.09	9.44	11.59	1.78
VOC	24 to 48	9.83	15.41	6.00	13.01	11.06	4.07
VOC	48 to 72	13.93	10.86	10.51	8.90	11.05	2.10
VOC Subtotal	–	55.6	61.1	48.5	49.1	53.6	2.6

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Distribution in Tissues (72 Hours)

Tissue ^d	ng-eq/g Mean	ng-eq/g SD	TBR Mean ^e	TBR SD	Percent Recovery Mean	Percent Recovery SD
Blood	2.26	0.48	–	–	0.03	0.01
Adipose	2.05	0.90	0.88	0.26	0.04	0.02
Muscle	1.73	0.54	0.76	0.12	0.21	0.06
Skin	2.57	1.45	1.08	0.38	0.13	0.07
Brain	1.32	0.40	0.58	0.07	0.01	<0.01
Heart	5.56	2.08	2.40	0.42	<0.01	<0.01
Kidneys	10.96	3.60	4.77	0.71	0.04	0.01
Liver	10.81	3.81	4.69	0.75	0.14	0.03
Lung	7.09	3.17	3.04	0.89	0.01	<0.01
Spleen	6.80	3.22	2.89	0.81	<0.01	<0.01
Thyroid	9.34	3.93	4.10	1.62	<0.01	<0.01
Urinary Bladder	9.58	6.33	4.05	2.29	<0.01	<0.01
Pancreas	5.76	2.11	2.49	0.46	0.01	<0.01
Testes	2.11	0.53	0.93	0.06	0.01	<0.01
Large Intestine	8.94	3.86	3.65	1.03	0.02	0.02
Small Intestine	8.94	3.86	3.65	1.03	0.02	0.02
Stomach	6.43	2.50	2.77	0.52	0.01	<0.01
Total	–	–	–	–	0.68	0.16

^aAll values expressed as mean ± standard deviation (SD) (N = 4). h = hours.

^b Final urine collection includes urine present in the urinary bladder at study termination.

^c N.S. = not shown.

^dTissue weights for the dispersed tissues were calculated using the following percentages of body weight: adipose 7.0%, blood 7.4%, muscle 40.4%, and skin 19% (International Life Sciences Institute, 1994).

^eTBR = Tissue to blood ratio.