

**Distribution of Radioactivity 72 Hours Following Covered Dermal Administration of
50 mg/kg [¹⁴C]EGEHE to Female B6C3F1/N Mice – Group 13**

Disposition Summary [Dose Recovered (%)]

Sample	13001	13002	13003	13004	Mean	SD
Total Unabsorbed Dose	62.7	65.4	53.0	64.4	61.4	5.69
Dose Site Swipes	2.04	2.76	2.67	3.30	2.69	0.52
VOC ^a	60.0	62.2	49.8	60.8	58.2	5.69
Total Dose Site Skin	0.67	0.41	0.54	0.25	0.55	0.08
Total Absorbed Dose	24.4	20.4	22.7	26.6	23.5	2.63
Urine	9.4	9.8	12.7	18.2	12.5	4.06
Urine	1.4	1.1	5.0	14.6	5.5	6.30
Cage Rinse	8.0	8.7	7.7	3.6	7.0	2.29
Feces	10.88	8.67	7.43	5.81	8.20	2.14
GI Tract Contents	0.06	0.09	0.07	0.22	0.11	0.07
Tissues	0.61	0.56	0.83	0.94	0.74	0.18
CO ₂	3.46	1.29	1.65	1.41	1.95	1.02
Total Recovered	87.1	85.8	75.7	91.0	84.9	6.52

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

Dose Recovered in Excreta (%)

Sample	Collection Interval (h)	13001	13002	13003	13004	Mean ^a	SD
Urine	4 to 8	0.74	0.00	0.74	12.54	3.51	6.04
Urine	12 to 24	0.27	0.83	3.36	1.79	1.56	1.35
Urine	24 to 48	0.30	0.16	0.67	0.23	0.34	0.23
Urine ^b	48 to 72	0.11	0.08	0.26	0.02	0.12	0.10
Urine Subtotal	–	1.42	1.07	5.03	14.58	5.53	6.30
Cage Rinse	4 to 8	5.79	6.40	2.62	2.47	4.32	2.06
Cage Rinse	12 to 24	1.10	1.62	2.42	0.88	1.51	0.69
Cage Rinse	24 to 48	0.72	0.36	1.24	0.15	0.62	0.48
Cage Rinse	48 to 72	0.41	0.35	1.40	0.14	0.58	0.56
Cage Rinse Subtotal	–	8.02	8.73	7.68	3.64	7.02	2.29
Feces	0 to 24	8.82	7.40	5.71	2.47	6.10	2.73
Feces	24 to 48	1.57	0.96	0.94	0.54	1.00	0.43
Feces	48 to 72	0.49	0.31	0.78	2.81	1.10	1.16
Feces Subtotal	–	10.88	8.67	7.43	5.81	8.20	2.92
CO ₂	0 to 4	2.64	0.43	0.49	0.34	0.97	1.11
CO ₂	4 to 8	0.23	0.16	0.23	0.22	0.21	0.04
CO ₂	8 to 12	0.11	0.16	0.25	0.19	0.18	0.06
CO ₂	12 to 24	0.15	0.21	0.22	0.18	0.19	0.03
CO ₂	24 to 48	0.08	0.09	0.13	0.09	0.10	0.02
CO ₂	48 to 72	0.25	0.24	0.33	0.40	0.31	0.07
CO₂ Subtotal	–	3.46	1.29	1.65	1.41	1.95	0.32
VOC	0 to 4	10.60	11.41	7.12	11.15	10.07	2.00
VOC	4 to 8	7.62	6.95	5.00	7.60	6.79	1.24
VOC	8 to 12	6.64	6.26	4.76	6.43	6.02	0.86
VOC	12 to 24	11.48	10.51	9.31	10.49	10.45	0.89
VOC	24 to 48	12.48	14.96	13.52	13.73	13.67	1.02
VOC	48 to 72	11.13	12.12	10.08	11.42	11.19	0.85
VOC Subtotal	–	59.95	62.22	49.78	60.84	58.20	2.85

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Distribution in Tissues (72 Hours)

Tissue ^c	ng-eq/g Mean	ng-eq/g SD	TBR Mean ^d	TBR SD	Percent Recovery Mean	Percent Recovery SD
Blood	1.73	0.35	–	–	0.03	0.01
Adipose	1.96	0.75	1.23	0.71	0.05	0.02
Muscle	1.90	0.52	1.12	0.31	0.27	0.10
Skin	2.54	0.65	1.53	0.51	0.16	0.05
Brain	1.23	0.08	0.73	0.09	0.01	<0.01
Heart	4.19	1.35	2.46	0.77	<0.01	<0.01
Kidneys	5.86	1.12	3.44	0.69	0.02	<0.01
Liver	8.85	2.17	5.13	1.07	0.12	0.03
Lung	6.87	2.18	4.12	1.48	0.01	<0.01
Spleen	5.77	1.13	3.39	0.75	<0.01	<0.01
Thyroid	6.61	2.46	4.02	1.72	<0.01	<0.01
Urinary Bladder	10.76	3.82	6.54	2.65	<0.01	<0.01
Pancreas	4.64	0.28	2.75	0.49	<0.01	<0.01
Ovaries	6.72	4.36	4.31	3.66	<0.01	<0.01
Large Intestine	4.84	1.06	2.89	0.78	0.01	0.01
Small Intestine	4.84	1.06	2.89	0.78	0.01	0.01
Stomach	5.08	1.57	3.02	1.07	0.01	<0.01
Total	–	–	–	–	0.70	0.17

^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.

^cTissue 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).

^dTBR = Tissue to blood ratio.