

**Distribution of Radioactivity 24 Hours Following Gavage Administration of 50 mg/kg
[¹⁴C]EGEHE in Male Harlan Sprague Dawley rats – Group 4**

Disposition Summary [% Dose Recovered]

Sample	4001	4002	4003	4004	Mean ^a	SD
Urine/Cage Rinse	48.68	60.15	54.79	72.88	59.13	10.30
Feces	18.11	8.31	15.65	9.15	12.80	4.83
CO ₂	2.53	2.76	2.79	2.91	2.75	0.16
Exhaled VOC	5.50	0.19	0.17	0.06	1.48	2.68
GI Tract Contents	5.80	6.00	10.39	6.33	7.13	2.18
Tissues	9.74	7.02	7.03	4.81	7.15	2.02
Total	90.4	84.4	90.8	96.1	90.4	4.8

Dose Recovered in Excreta (%)

Sample	Collection Interval (h)	4001	4002	4003	4004	Mean	SD
Urine	0 to 8	16.45	17.62	14.84	18.85	16.94	1.71
Urine ^b	8 to 24	17.76	32.16	21.16	36.32	26.85	8.81
Urine Subtotal	–	34.2	49.8	36	55.2	43.8	10.3
Cage Rinse	0 to 8	5.58	6.22	15.41	13.75	10.24	5.06
Cage Rinse	8 to 24	8.89	4.15	3.39	3.96	5.10	2.55
Cage Rinse Subtotal	–	14.5	10.4	18.8	17.7	15.34	3.79
Feces	0 to 24	18.11	8.31	15.65	9.15	12.80	4.83
Feces Subtotal	–	18.11	8.31	15.65	9.15	12.80	-
CO ₂	0 to 4	0.53	0.38	0.70	0.42	0.51	0.14
CO ₂	4 to 8	0.62	0.75	0.75	0.84	0.74	0.09
CO ₂	8 to 12	0.42	0.52	0.56	0.66	0.54	0.10
CO ₂	12 to 24	0.96	1.10	0.78	0.99	0.96	0.13
CO₂ Subtotal	–	2.53	2.76	2.79	2.91	2.75	0.21
Exhaled VOC	0 to 4	1.30	0.02	0.00	0.02	0.33	0.64
Exhaled VOC	4 to 8	1.03	0.03	0.02	0.01	0.27	0.50
Exhaled VOC	8 to 12	1.06	0.03	0.02	0.01	0.28	0.52
Exhaled VOC	12 to 24	2.11	0.11	0.11	0.02	0.59	1.01
Exhaled VOC Subtotal	–	5.50	0.19	0.17	0.06	1.48	0.15
Total Recovered Dose	–	74.82	71.41	73.40	85.00	76.16	27.20

**Distribution of Radioactivity 24 Hours Following Gavage Administration of 50 mg/kg
[¹⁴C]EGEHE in Male Harlan Sprague Dawley rats – Group 4 (continued)**

Distribution in Tissues (24 Hours)

Tissue ^c	ng-eq/g Mean	ng-eq/g SD	TBR Mean ^d	TBR SD	Percent Recovery Mean	Percent Recovery SD
Blood	168.36	42.18	–	–	0.28	0.06
Adipose	295.63	166.90	1.86	1.12	0.70	0.41
Muscle	100.85	52.44	0.58	0.22	1.30	0.68
Skin	125.22	72.59	0.77	0.47	0.69	0.38
Brain	87.23	84.01	0.49	0.42	0.01	0.01
Heart	187.82	91.77	1.09	0.38	0.01	<0.01
Kidneys	368.59	182.19	2.27	1.03	0.08	0.05
Liver	895.80	151.78	5.43	0.75	1.19	0.24
Lung	428.39	417.80	2.42	2.07	0.40	0.72
Spleen	189.22	103.90	1.18	0.62	0.01	<0.01
Thyroid	377.56	78.56	2.32	0.60	<0.01	<0.01
Urinary Bladder	3247.76	1774.82	21.92	15.77	0.01	0.01
Pancreas	574.06	200.44	3.41	0.85	0.08	0.09
Testes	220.99	302.45	1.20	1.55	0.03	0.01
Large Intestine	1300.23	480.08	8.17	4.34	0.59	0.26
Small Intestine	1300.23	480.08	8.17	4.34	0.59	0.26
Stomach	531.88	287.70	3.08	1.24	0.08	0.05
Total	–	–	–	–	6.08	1.35

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

^bFinal 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