

**Distribution of Radioactivity 48 Hours Following Gavage Administration of 150 mg/kg
[¹⁴C] EGEHE to Male Harlan Sprague Dawley Rats – Group 2**

Disposition Summary [% Dose Recovered]

Sample	2001	2002	2003	2004	Mean ^a	SD
Urine/Cage Rinse	69.81	66.70	79.57	74.21	72.57	5.59
Feces	8.42	17.62	7.78	23.32	14.29	7.51
CO ₂	3.16	2.71	3.42	3.64	3.23	0.40
Exhaled VOC	0.14	0.97	0.23	0.28	0.41	0.38
GI Tract Contents	0.83	1.02	0.69	0.42	0.74	0.25
Tissues	4.19	3.56	4.72	6.74	4.80	1.38
Total	86.6	92.6	96.4	108.6	96.0	9.3

Dose Recovered in Excreta (%)

Sample	Collection Interval (h)	2001	2002	2003	2004	Mean	SD
Urine	0 to 8	12.19	14.38	25.99	29.40	20.49	8.48
Urine	8 to 24	43.74	34.97	36.11	32.35	36.79	4.89
Urine ^b	24 to 48	3.64	6.50	3.79	3.82	4.44	1.38
Urine Subtotal	–	59.6	55.9	65.9	65.6	61.7	4.9
Cage Rinse	0 to 8	8.34	5.20	9.68	5.89	7.28	2.09
Cage Rinse	8 to 24	1.75	4.77	3.51	2.46	3.12	1.32
Cage Rinse	24 to 48	0.15	0.88	0.49	0.29	0.45	0.32
Cage Rinse Subtotal	–	10.2	10.9	13.7	8.6	10.9	2.1
Feces	0 to 24	7.74	16.16	6.91	22.87	13.42	7.56
Feces	24 to 48	0.68	1.46	0.87	0.44	0.86	0.44
Feces Subtotal	–	8.42	17.62	7.78	23.32	14.29	8.88
CO ₂	0 to 4	0.58	0.76	0.64	0.68	0.67	0.08
CO ₂	4 to 8	0.65	0.41	0.72	0.68	0.61	0.14
CO ₂	8 to 12	0.59	0.40	0.81	0.85	0.66	0.21
CO ₂	12 to 24	0.99	0.80	0.94	0.97	0.93	0.09
CO ₂	24 to 48	0.35	0.34	0.30	0.45	0.36	0.06
CO₂ Subtotal	–	3.16	2.71	3.42	3.64	3.23	0.20
Exhaled VOC	0 to 4	0.00	0.04	0.02	0.01	0.02	0.02
Exhaled VOC	4 to 8	0.01	0.08	0.02	0.02	0.03	0.03
Exhaled VOC	8 to 12	0.01	0.11	0.01	0.01	0.03	0.05
Exhaled VOC	12 to 24	0.03	0.26	0.08	0.12	0.12	0.10
Exhaled VOC	24 to 48	0.09	0.48	0.10	0.12	0.20	0.19
Exhaled VOC Subtotal	–	0.14	0.97	0.23	0.28	0.41	0.08
Total Recovered Dose	–	81.53	88.01	91.01	101.45	90.50	33.83

**Distribution of Radioactivity 48 Hours Following Gavage Administration of 150 mg/kg
[¹⁴C] EGEHE to Male Harlan Sprague Dawley Rats – Group 2 (continued)**

Distribution in Tissues (48 Hours)

Tissue ^c	ng-eq/g Mean	ng-eq/g SD	TBR Mean ^d	TBR SD	Percent Recovery Mean	Percent Recovery SD
Blood	21556	240.13	–	–	0.65	0.38
Adipose	3525	1149	0.24	0.18	0.15	0.05
Muscle	8844	6597	0.66	0.80	2.17	1.59
Skin	4442	1281	0.27	0.17	0.52	0.16
Brain	3981	850	0.24	0.13	0.01	<0.01
Heart	31405	14842	2.16	1.65	0.06	0.03
Kidneys	16947	1016	1.03	0.58	0.07	0.01
Liver	33382	10926	2.08	1.43	0.70	0.25
Lung	19451	9887	1.13	0.84	0.06	0.03
Spleen	34965	20763	2.46	2.58	0.04	0.02
Thyroids	22066	17777	1.13	1.00	<0.01	<0.01
Urinary Bladder	29563	8525	1.61	0.56	<0.01	<0.01
Pancreas	21755	5347	1.37	0.86	0.03	0.01
Testes	4104	793	0.25	0.14	0.04	0.01
Large Intestine	23894	9100	1.35	0.67	0.17	0.03
Small Intestine	23894	9100	1.35	0.67	0.17	0.03
Stomach	14650	1269	0.88	0.49	0.04	0.01
Total	-	-	-	-	5.20	1.24

^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.