

**Distribution of Radioactivity 72 Hours Following Gavage Administration of 500 mg/kg  
[<sup>14</sup>C] EGEHE to Male Harlan Sprague Dawley Rats – Group 3**

## Disposition Summary [% Dose Recovered]

Sample	3001	3003	3004	Mean <sup>a</sup>	SD
Urine/Cage Rinse	36.03	61.09	66.02	54.38	16.08
Feces	18.22	7.71	18.12	14.68	6.04
CO <sub>2</sub>	3.32	4.43	4.84	4.20	0.79
Exhaled VOC	0.06	0.08	0.12	0.09	0.03
GI Tract Contents	0.13	0.27	0.15	0.18	0.08
Tissues	3.86	7.75	6.17	5.93	1.96
<b>Total</b>	<b>61.6</b>	<b>81.3</b>	<b>95.4</b>	<b>79.5</b>	<b>17.0</b>

## Dose Recovered in Excreta (%)

Sample	Collection Interval (h)	3001	3003	3004	Mean	SD
Urine	0 to 8	2.16	14.46	12.42	9.68	6.59
Urine	8 to 24	17.26	27.62	23.58	22.82	5.22
Urine	24 to 48	3.49	5.93	2.02	3.81	1.97
Urine <sup>b</sup>	48 to 72	0.48	0.35	0.25	0.36	0.12
<b>Urine Subtotal</b>	–	<b>23.39</b>	<b>48.36</b>	<b>38.27</b>	<b>36.7</b>	<b>12.6</b>
Cage Rinse	0 to 8	10.26	6.94	5.22	7.47	2.56
Cage Rinse	8 to 24	1.84	4.94	19.33	8.70	9.33
Cage Rinse	24 to 48	0.46	0.73	3.07	1.42	1.44
Cage Rinse	48 to 72	0.09	0.11	0.12	0.10	0.01
<b>Cage Rinse Subtotal</b>	–	<b>12.65</b>	<b>12.72</b>	<b>27.74</b>	<b>17.7</b>	<b>8.69</b>
Feces	0 to 24	15.82	6.18	14.23	12.08	5.17
Feces	24 to 48	1.92	1.06	3.46	2.14	1.22
Feces	48 to 72	0.48	0.47	0.42	0.46	0.03
<b>Feces Subtotal</b>	–	<b>18.22</b>	<b>7.71</b>	<b>18.12</b>	<b>14.68</b>	<b>6.42</b>
CO <sub>2</sub>	0 to 4	0.13	0.69	0.65	0.49	0.31
CO <sub>2</sub>	4 to 8	0.43	0.44	0.70	0.52	0.15
CO <sub>2</sub>	8 to 12	0.65	0.90	0.92	0.82	0.15
CO <sub>2</sub>	12 to 24	1.53	1.44	1.63	1.53	0.09
CO <sub>2</sub>	24 to 48	0.44	0.75	0.73	0.64	0.18
CO <sub>2</sub>	48 to 72	0.14	0.21	0.22	0.19	0.04
<b>CO2 Subtotal</b>	–	<b>3.32</b>	<b>4.43</b>	<b>4.84</b>	<b>4.20</b>	<b>0.93</b>
Exhaled VOC	0 to 4	0.00	0.00	0.01	0.00	0.00
Exhaled VOC	4 to 8	0.01	0.00	0.01	0.01	0.00
Exhaled VOC	8 to 12	0.01	0.00	0.01	0.01	0.00
Exhaled VOC	12 to 24	0.02	0.03	0.03	0.02	0.01
Exhaled VOC	24 to 48	0.03	0.04	0.06	0.04	0.02
Exhaled VOC	48 to 72	0.00	0.00	0.00	0.00	0.00
<b>Exhaled VOC Subtotal</b>	–	<b>0.06</b>	<b>0.08</b>	<b>0.12</b>	<b>0.09</b>	<b>0.03</b>
Large Intestine Contents	72	0.07	0.12	0.09	0.09	0.02
Small Intestine Contents	72	0.05	0.07	0.05	0.06	0.02
Stomach Contents	72	0.01	0.08	0.02	0.04	0.04
<b>GI Tract Contents Subtotal</b>	–	<b>0.13</b>	<b>0.27</b>	<b>0.15</b>	–	–
<b>Total Recovered Dose</b>	–	<b>57.64</b>	<b>73.31</b>	<b>89.09</b>	<b>73.35</b>	<b>34.63</b>

**Distribution of Radioactivity 72 Hours Following Gavage Administration of 500 mg/kg [<sup>14</sup>C] EGEHE to Male Harlan Sprague Dawley Rats – Group 3 (continued)**

Distribution in Tissues (72 Hours)

Tissue <sup>c</sup>	ng-eq/g Mean	ng-eq/g SD	TBR Mean <sup>d</sup>	TBR SD	Percent Recovery Mean	Percent Recovery SD
Blood	40372.01	4929.05	–	–	0.57	0.06
Adipose	14259.79	4116.33	0.36	0.13	0.19	0.06
Muscle	23192.56	7782.70	0.60	0.27	1.79	0.63
Skin	50977.70	48270.02	1.29	1.22	1.84	1.73
Brain	11759.29	3677.60	0.30	0.13	0.01	0.00
Heart	44228.85	5191.80	1.12	0.25	0.03	0.00
Kidneys	67745.52	9185.57	1.71	0.43	0.08	0.02
Liver	145290.87	32294.31	3.69	1.25	0.95	0.26
Lung	59547.36	8769.04	1.50	0.37	0.05	0.01
Spleen	67975.99	2734.18	1.71	0.26	0.01	0.01
Thyroid	114433.36	12310.27	2.85	0.37	<0.01	<0.01
Urinary Bladder	73418.47	23328.80	1.86	0.68	<0.01	<0.01
Pancreas	84217.01	5109.09	2.11	0.30	0.02	0.02
Testes	18980.99	3568.74	0.48	0.15	0.06	0.01
Large Intestine	62176.24	19484.61	1.59	0.68	0.09	0.02
Small Intestine	68164.53	7614.64	1.72	0.39	0.21	0.01
Stomach	53891.39	8005.86	1.36	0.30	0.04	0.01
<b>Total</b>	–	–	–	–	<b>6.11</b>	<b>2.92</b>

<sup>a</sup>All values expressed as mean ± standard deviation (SD) (N = 3). (h) = hours.

<sup>b</sup> Final urine collection includes urine present in the urinary bladder at study termination.

<sup>c</sup>Tissue 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).

<sup>d</sup>TBR = Tissue-to-blood ratio

Vehicle is corn oil. No intravenous administration was performed due to EGEHE aqueous insolubility.