

**Distribution of Radioactivity 48 Hours Following Gavage Administration of  
50 mg/kg [<sup>14</sup>C]EGEHE to Male B6C3F1/N Mice – Group 6**

Disposition Summary [Dose Recovered (%)]

Sample	6001	6002	6003	6004	Mean	SD
Urine/Cage Rinse	26.91	25.58	27.35	28.11	26.98	1.06
Feces	10.56	31.97	44.90	58.64	36.52	20.45
CO <sub>2</sub>	5.36	4.22	3.63	3.65	4.22	0.81
Exhaled VOC	15.58	35.64	12.51	10.86	18.65	11.49
GI Tract Contents	0.09	0.07	0.10	0.10	0.09	0.01
Tissues	3.92	3.38	5.21	3.76	4.07	0.79
<b>Total</b>	<b>62.4</b>	<b>100.9</b>	<b>93.7</b>	<b>105.1</b>	<b>90.5</b>	<b>19.3</b>

Dose Recovered in Excreta (%)

Sample	Collection Interval (h)	6001	6002	6003	6004	Mean <sup>a</sup>	SD
Urine	4 to 8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Urine	12 to 24	0.52	2.22	1.32	6.96	2.75	2.89
Urine <sup>b</sup>	24 to 48	0.91	0.41	3.20	1.81	1.58	1.23
<b>Urine Subtotal</b>	–	<b>1.4</b>	<b>2.6</b>	<b>4.5</b>	<b>8.8</b>	<b>4.3</b>	<b>3.22</b>
Cage Rinse	4 to 8	11.25	5.19	0.68	4.26	5.34	4.39
Cage Rinse	12 to 24	5.39	14.60	13.96	10.34	11.07	4.23
Cage Rinse	24 to 48	8.84	3.16	8.19	4.73	6.23	2.73
<b>Cage Rinse Subtotal</b>	–	<b>25.48</b>	<b>22.95</b>	<b>22.83</b>	<b>19.33</b>	<b>22.64</b>	<b>2.53</b>
Feces	0 to 24	6.73	23.51	38.22	46.58	28.76	17.51
Feces	24 to 48	3.83	8.46	6.68	12.06	7.76	3.44
<b>Feces Subtotal</b>	–	<b>10.56</b>	<b>31.97</b>	<b>44.90</b>	<b>58.64</b>	<b>36.52</b>	<b>14.85</b>
CO <sub>2</sub>	0 to 4	2.65	1.49	1.02	0.73	1.47	0.85
CO <sub>2</sub>	4 to 8	0.50	0.64	0.26	0.49	0.47	0.16
CO <sub>2</sub>	8 to 12	0.92	0.91	0.51	1.26	0.90	0.31
CO <sub>2</sub>	12 to 24	0.65	0.62	0.85	0.67	0.70	0.11
CO <sub>2</sub>	24 to 48	0.64	0.57	0.99	0.50	0.67	0.22
<b>CO<sub>2</sub> Subtotal</b>	–	<b>5.36</b>	<b>4.22</b>	<b>3.63</b>	<b>3.65</b>	<b>4.22</b>	<b>0.38</b>
Exhaled VOC	0 to 4	2.13	2.15	1.59	1.43	1.82	0.37
Exhaled VOC	4 to 8	1.67	3.82	1.34	1.19	2.01	1.22
Exhaled VOC	8 to 12	1.53	5.34	1.25	1.13	2.31	2.02
Exhaled VOC	12 to 24	3.66	9.07	3.02	2.52	4.57	3.04
Exhaled VOC	24 to 48	6.59	15.27	5.31	4.58	7.94	4.96
<b>Exhaled VOC Subtotal</b>	–	<b>15.58</b>	<b>35.64</b>	<b>12.51</b>	<b>10.86</b>	<b>18.65</b>	<b>2.60</b>
<b>Recovered Dose</b>	–	<b>58.41</b>	<b>97.40</b>	<b>88.39</b>	<b>101.26</b>	<b>86.37</b>	<b>13.69</b>

**Distribution of Radioactivity 48 Hours Following Gavage Administration of  
50 mg/kg [<sup>14</sup>C]EGEHE to Male B6C3F1/N Mice – Group 6 (continued)**

Distribution in Tissues (48 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	11.39	2.65	–	–	0.18	0.05
Adipose	6.15	1.67	0.54	0.04	0.14	0.04
Muscle	8.43	2.30	0.75	0.17	1.07	0.31
Skin	12.44	5.60	1.17	0.76	0.67	0.29
Brain	5.00	1.51	0.48	0.25	0.02	<0.01
Heart	19.37	3.02	1.77	0.54	0.02	<0.01
Kidneys	38.29	8.39	3.52	1.34	0.17	0.03
Liver	87.64	15.95	7.90	1.91	1.07	0.55
Lung	30.08	9.33	2.81	1.43	0.04	<0.01
Spleen	62.24	58.79	5.78	5.55	0.01	<0.01
Thyroid	36.34	11.32	3.32	1.40	<0.01	<0.01
Urinary Bladder	53.38	21.59	4.73	1.80	0.01	<0.01
Pancreas	32.42	6.43	2.99	1.13	0.04	<0.01
Testes	12.31	1.83	1.13	0.38	0.03	<0.01
Large Intestine	42.18	20.84	4.13	2.92	0.09	0.01
Small Intestine	42.18	20.84	4.13	2.92	0.09	0.01
Stomach	35.93	6.03	3.32	1.18	0.04	0.01
<b>Total</b>	–	–	–	–	<b>3.71</b>	<b>0.87</b>

<sup>a</sup>All values expressed as mean ± standard deviation (SD) (N = 4). 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.