

**Disposition of Radioactivity 72 Hours Following Oral Gavage Administration of
100 mg/kg [¹⁴C]HMB to Female Harlan Sprague Dawley Rats (Group D)^a**

Dose Recovered in Excreta (%)

End of Collection Period (h)	Urine CPDE ^b	Cage Rinse CPDE	Feces CPDE	Total
4	4.75 ± 3.26	3.85 ± 1.47	-	8.60
8	14.3 ± 5.4	7.80 ± 2.93	-	22.1
12	20.9 ± 7.7	10.5 ± 3.9	-	31.4
24	34.0 ± 7.6	14.3 ± 4.5	23.9 ± 8.6	69.1
48	40.3 ± 8.7	15.0 ± 4.4	36.2 ± 9.4	91.5
72 ^c	41.4 ± 9.1	16.0 ± 4.7	37.5 ± 9.4	95.2

Disposition in Tissues

Tissue	nmol-eq HMB per g Tissue	Tissue/ Blood Ratio	Recovery (%)
Blood ^d	1.51 ± 0.25	unity	0.0255 ± 0.0040
Adipose ^d	1.87 ± 0.40	1.26 ± 0.26	0.0298 ± 0.0057
Muscle ^d	0.999 ± 0.370	0.662 ± 0.247	0.0916 ± 0.0324
Skin ^d	4.10 ± 3.62	2.58 ± 1.90	0.175 ± 0.148
Brain	0.551 ± 0.134	0.367 ± 0.093	0.00097 ± 0.00024
Kidneys	5.32 ± 1.42	3.53 ± 0.81	0.00710 ± 0.00180
Liver	7.37 ± 0.76	4.93 ± 0.55	0.0679 ± 0.0065
Uterus	1.33 ± 0.55	0.750 ± 0.310	0.00051 ± 0.00012

Disposition Summary (Dose Recovered [%])

Sample	Mean ± Standard Deviation
Urine + Cage Rinse	57.6 ± 10.3
Urine	41.4 ± 9.1
Cage Rinse	16.0 ± 4.7
Feces	37.5 ± 9.4
Tissues	0.399 ± 0.169
Total Recovered	95.6 ± 2.5

^aAll values expressed as mean ± SD (N = 5). The actual dose delivered was 103 ± 2 mg/kg (52.6 ± 1.0 µCi).

^bCPDE = Cumulative percent dose excreted.

^c72 hour (h) urine collection includes urine present in the urinary bladder at study termination.

^dTissue 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).