Disposition of Radioactivity 72 h Following Oral Gavage Administration of 10 mg/kg [^{14}C]HMB to Male Harlan Sprague Dawley Rats (Group C)[a]

Dose Recovered in Excreta (%)

End of Collection Period (h)	Urine CPDE[b]	Cage Rinse CPDE	Feces CPDE	Total
4	3.49 ± 5.07	1.75 ± 1.60	–	5.24
8	25.5 ± 6.8	6.17 ± 1.75	–	31.7
12	34.6 ± 5.1	7.99 ± 1.45	–	42.6
24	40.9 ± 4.9	9.19 ± 1.28	35.5 ± 9.37	78.3
48	44.0 ± 5.8	9.49 ± 1.31	40.9 ± 7.37	94.4
72[c]	44.4 ± 5.9	9.71 ± 1.29	42.4 ± 6.14	96.7

Disposition in Tissues

Tissue	nmol-eq HMB per g tissue	Tissue/ Blood Ratio	Recovery (%)
Blood[d]	0.173 ± 0.036	unity	0.0310 ± 0.0062
Adipose[d]	0.149 ± 0.022	0.874 ± 0.104	0.0253 ± 0.0033
Muscle[d]	0.144 ± 0.015	0.858 ± 0.181	0.141 ± 0.015
Skin[d]	0.226 ± 0.058	1.33 ± 0.34	0.104 ± 0.025
Brain	0.0783 ± 0.0170	0.475 ± 0.175	0.00171 ± 0.00111
Kidneys	0.607 ± 0.253	3.44 ± 0.79	0.00953 ± 0.00344
Liver	0.692 ± 0.167	4.01 ± 0.42	0.0660 ± 0.0157

Disposition Summary % Dose Recovered)

Sample	Mean ± SD
Urine + Cage Rinse	54.2 ± 6.3
Urine	44.4 ± 5.9
Cage Rinse	9.71 ± 1.29
Feces	42.4 ± 6.14
Tissues	0.381 ± 0.046
Total Recovered	**97.1 ± 2.8**

[a]All values expressed as mean ± standard deviation (SD) (N = 5).
The actual dose delivered was 10.1 ± 0.1 mg/kg (45.0 ± 0.3 µCi).
[b]CPDE = Cumulative percent dose excreted
[c]72 h urine collection includes urine present in the urinary bladder at study termination.
[d]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).