

**Comparison of Recovery of [14 C]L-BMAA Radioactivity for
Group A^a (1 mg/kg, 24 Hours Single Dose, Oral Gavage),
Group F^a (1 mg/kg, 24 Hours Following 5 Consecutive Days of Administration, Oral Gavage) and
Group G^a (1 mg/kg, 24 Hours Following 10 Consecutive Days of Administration, Oral Gavage)**

Dose Recovered in Excreta (%)

Group	End of Collection Period (h)	Urine CPDE ^b	Cage Rinse] CPDE	Feces CPDE	Volatile Organics CPDE	CO ₂ CPDE	GI Content	Total CPDE
A	24 ^c	6.47 $\pm$ 1.40	2.37 $\pm$ 0.63	3.23 $\pm$ 1.18	0.151 $\pm$ 0.017	61.3 $\pm$ 3.6	0.944 $\pm$ 0.351	74.2
F	120	6.07 $\pm$ 0.405	1.07 $\pm$ 0.078	6.22 $\pm$ 1.35	0.032 $\pm$ 0.005	52.6 $\pm$ 3.48	0.455 $\pm$ 0.362	66.5
G	240	7.07 $\pm$ 2.45	0.468 $\pm$ 0.180	3.63 $\pm$ 1.32	—	54.4 $\pm$ 5.2	0.148 $\pm$ 0.036	65.6
Ratio F/A	—	0.938	0.451	1.926	0.212	0.858	0.482	0.896
Ratio G/A	—	1.165	0.437	0.584	0.000	1.034	0.325	0.986

Disposition in Tissues

Tissue	Group A Avg n-mol-eq LBMAA per g Tissue	Group F Avg n-mol-eq LBMAA per g Tissue	Group G Avg n-mol-eq LBMAA per g Tissue	Ratio (Group F/ Group A)	Ratio (Group G/ Group A)
Blood	1.38 $\pm$ 0.180	3.30 $\pm$ 0.293	4.32 $\pm$ 0.704	2.43 $\pm$ 0.430	3.2 $\pm$ 0.803
Adipose	0.80 $\pm$ 0.277	2.86 $\pm$ 0.671	18.96 $\pm$ 10.604	3.75 $\pm$ 0.818	23.2 $\pm$ 8.1
Muscle	0.85 $\pm$ 0.124	2.73 $\pm$ 0.466	4.85 $\pm$ 0.678	3.29 $\pm$ 0.827	5.75 $\pm$ 0.63
Skin	1.58 $\pm$ 0.193	5.25 $\pm$ 0.792	8.90 $\pm$ 0.755	3.41 $\pm$ 0.840	5.72 $\pm$ 0.849
Adrenals	3.32 $\pm$ 1.211	9.96 $\pm$ 2.095	15.5 $\pm$ 0.646	3.16 $\pm$ 0.877	5.08 $\pm$ 1.40
Thyroids	3.75 $\pm$ 1.75	10.5 $\pm$ 6.86	7.84 $\pm$ 1.17	3.03 $\pm$ 2.56	2.52 $\pm$ 1.29
Urinary Bladder	1.90 $\pm$ 1.64	5.61 $\pm$ 1.27	7.22 $\pm$ 1.04	3.98 $\pm$ 1.78	5.42 $\pm$ 2.66
Thymus	2.40 $\pm$ 0.627	5.54 $\pm$ 0.921	7.95 $\pm$ 1.022	2.37 $\pm$ 0.416	3.58 $\pm$ 1.37
Liver	8.26 $\pm$ 2.63	15.0 $\pm$ 1.82	22.5 $\pm$ 2.47	1.96 $\pm$ 0.628	3.00 $\pm$ 1.13
Lung	1.86 $\pm$ 0.423	4.35 $\pm$ 0.340	5.72 $\pm$ 0.744	2.42 $\pm$ 0.473	3.24 $\pm$ 0.878
Brain	0.660 $\pm$ 0.181	1.77 $\pm$ 0.261	2.67 $\pm$ 0.321	2.89 $\pm$ 1.05	4.37 $\pm$ 1.52
Spleen	2.29 $\pm$ 0.800	4.34 $\pm$ 0.527	6.37 $\pm$ 0.613	2.05 $\pm$ 0.568	3.10 $\pm$ 1.24
Heart	1.27 $\pm$ 0.420	3.63 $\pm$ 1.06	5.09 $\pm$ 0.573	3.22 $\pm$ 1.72	4.39 $\pm$ 1.61
Kidneys	3.10 $\pm$ 0.940	7.93 $\pm$ 0.462	10.3 $\pm$ 1.04	2.81 $\pm$ 1.08	3.67 $\pm$ 1.54
Pancreas	2.32 $\pm$ 0.438	4.99 $\pm$ 1.34	8.98 $\pm$ 1.51	2.21 $\pm$ 0.798	3.92 $\pm$ 0.668
Testes	0.683 $\pm$ 0.185	2.10 $\pm$ 0.316	3.05 $\pm$ 0.433	3.26 $\pm$ 1.08	4.75 $\pm$ 1.59
Stomach	2.40 $\pm$ 1.75	4.39 $\pm$ 0.607	6.68 $\pm$ 1.04	2.42 $\pm$ 1.08	3.65 $\pm$ 1.68
Small Intestine	2.60 $\pm$ 0.470	5.36 $\pm$ 0.616	7.30 $\pm$ 1.17	2.10 $\pm$ 0.399	2.89 $\pm$ 0.735
Cecum	1.75 $\pm$ 0.500	4.51 $\pm$ 0.751	6.96 $\pm$ 0.927	2.76 $\pm$ 0.966	4.38 $\pm$ 1.72
Large Intestine	1.63 $\pm$ 0.366	4.53 $\pm$ 0.798	6.34 $\pm$ 0.700	2.93 $\pm$ 1.08	4.11 $\pm$ 1.28
% Recovery	13.3 $\pm$ 2.5	8.04 $\pm$ 0.675	8.65 $\pm$ 1.34	NA	NA

^aAll values expressed as mean $\pm$ standard deviation (SD) (N = 5). The target dose was 1 mg/kg.

^bNA = Not applicable.

^c24 hour (h) urine collection includes urine present in the urinary bladder at study termination.