

**Disposition of Radioactivity 24 Hours Following Daily Oral Gavage Administration
of 20 mg/kg [¹⁴C]Tetrabromobisphenol A for 1, 5, or 10 Administrations
to Male F-344 Rats (Groups 4, 5, and 6)**

Distribution in Tissues (24 hours Following Last Dose)^a
% Dose Recovered in Tissues

Tissue	1 Administration Mean ± SD^b	5 Administrations Mean ± SD	10 Administrations Mean ± SD
Brain	< 0.01	< 0.01	< 0.01
Adipose ^c	–	–	–
Kidney fat	0.01 ± 0.00	< 0.01	< 0.01
Mesentery fat	0.02 ± 0.01	0.01 ± 0.01	0.02 ± 0.02
Testes fat	0.01 ± 0.00	< 0.01	< 0.01
Thoracic fat	0.01 ± 0.00	< 0.01	< 0.01
Heart	< 0.01	< 0.01	< 0.01
Kidneys	< 0.01	< 0.01	< 0.01
Liver	0.07 ± 0.03	0.01 ± 0.01	0.01 ± 0.00
Lungs	< 0.01	< 0.01	< 0.01
Muscle	0.05 ± 0.05	< 0.01	< 0.01
Skin	0.02 ± 0.02	< 0.01	< 0.01
Spleen	< 0.01	< 0.01	< 0.01
Testes	< 0.01	< 0.01	< 0.01
Thyroid	< 0.01	< 0.01	< 0.01
Total Extra-GI tissues	0.19	0.02	0.03
Cecum	0.17 ± 0.06	0.06 ± 0.04	0.12 ± 0.22
Cecum contents	8.43 ± 3.65	1.12 ± 0.23	0.50 ± 0.38
Cecum rinse	0.10 ± 0.07	0.06 ± 0.04	0.02 ± 0.01
Intestine	0.09 ± 0.03	0.04 ± 0.04	0.01 ± 0.01
Intestinal content	1.92 ± 0.52	0.38 ± 0.17	0.26 ± 0.17
Stomach	< 0.01	< 0.01	< 0.01
Stomach content	< 0.01	< 0.01	< 0.01
Total GI tract	10.71	1.66	0.91
Total tissues	11.62	1.68	0.94

^a The target dose was 20 mg/kg body weight (50 µCi/kg). Rats received a daily dose of 20 mg/kg body weight for 1, 5, or 10 days. Tissues were collected 24 hours after the last dose.

^b SD = standard deviation (SD). Shown is the mean ± standard deviation for the group (N = 4 per administration group).

^c Kidney, mesentery, testes, and thoracic adipose tissue was collected.