

**Recovery of Radioactivity Through 24 Hours Following Oral Gavage Administration
of 350 mg/kg [¹⁴C] 5-Amino-o-cresol to Female F344 Rats (Study E)^a**

Dose Recovered in Excreta (%)

End of Collection Period (h)	Urine CPDE ^b	Feces CPDE	Volatile Organics ^c CPDE	CO ₂ ^c CPDE	Total CPDE
6	39.7 ± 14.7	d	0.0070 ± 0.0041	0.106 ± 0.018	39.8 ± 14.7
12	71.6 ± 17.3	0.0095 ± 0.0150	0.0105 ± 0.0054	0.145 ± 0.015	71.8 ± 17.3
24 ^e	84.8 ± 1.1	5.10 ± 1.14	0.0126 ± 0.0061	0.180 ± 0.028	90.1 ± 2.2

Distribution in Tissues (24 hours)

Tissue	nmol-eq AOC per g Tissue ^f Mean	nmol-eq AOC per g Tissue SD	Tissue/Blood Ratio ^g	% Dose in Total Tissue ^f Mean	% Dose in Total Tissue SD
Adipose ^h	7.26	5.08	NA ⁱ	0.0174	0.0123
Urinary Bladder	98.9	22.6	NA	0.0018	0.0008
Blood ^h	0	0	NA	0	0
Brain	0	0	NA	0	0
Heart	0	0	NA	0	0
Kidney	0	0	NA	0	0
Liver	0	0	NA	0	0
Lung	0	0	NA	0	0
Muscle ^h	1.99	3.97	NA	0.0269	0.0537
Skin ^h	0	0	NA	0	0
Spleen	0	0	NA	0	0
Thyroid	61.9	123.8	NA	0.0001	0.0002
Uterus	2.24	4.48	NA	0.0002	0.0005
Stomach ^j	NA	–	NA	0.0373	0.0506
Small Intestine ^j	NA	–	NA	0.142	0.020
Cecum ^j	NA	–	NA	0.835	0.294
Large Intestine ^j	NA	–	NA	0.411	0.083
Carcass ^k	NA	–	NA	0.386	0.106

Disposition Summary – Overall Percent Dose Recovered

Percent Dose Recovered	Mean ± SD
Tissues	1.86 ± 0.24
Excreta	90.1 ± 2.2
Overall % Dose Recovered	92.0 ± 2.1

^aAll values expressed as mean ± standard deviation (SD) (N = 4). The target dose was 350 mg AOC/kg. The actual dose delivered was 357 ± 12 mg/kg.

^bCPDE = Cumulative percent dose excreted.

^cVolatile organics and CO₂ in exhaled breath.

^dThe first feces collection was 0–12 hours (h).

^e24-h urine collection includes urine present in the urinary bladder at study termination.

^fA value of 0 ± 0 nmol-eq AOC per g tissue or % dose in total tissue indicates a mean < 0.00005 nmol-eq AOC per g tissue or % dose in total tissue.

^gRadioactivity was not detected in blood; therefore tissue/blood ratios cannot be determined.

^hPercent of dose in these tissues calculated using the following percentages of body weight: adipose 7.0%, blood 7.4%, muscle 40.4%, and skin 19.0%.

ⁱNA = Not applicable.

^jincludes contents.

^kCarcass values are based on the residual digested carcass after the removal of the listed tissues (i.e., percent dose measured in skin, adipose, blood, and muscle was subtracted from the total percent dose measured in the carcass.)