

**Recovery of Radioactivity Through 24 Hours Following Unprotected Dermal Administration
of 2 mg/kg [¹⁴C] 5-Amino-o-cresol to Female F344 Rats (Study C)^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	22.5 ± 14.8	d	0.0110 ± 0.0183	0.0258 ± 0.0341	22.5 ± 12.4
12	28.9 ± 11.7	0 ± 0	0.0137 ± 0.0235	0.0317 ± 0.0300	29.0 ± 11.7
24 ^e	32.6 ± 12.6	0.137 ± 0.274	0.0137 ± 0.0235	0.0562 ± 0.0525	32.8 ± 12.9

Distribution in Tissues (72 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	0.362	0.247	NA ⁱ	0.127	0.086
Urinary Bladder	0	0	NA	0	0
Blood ^h	0	0	NA	0	0
Brain	0.0009	0.0017	NA	0	0
Heart	0	0	NA	0	0.0001
Kidney	0.0174	0.0209	NA	0.0006	0.0008
Liver	0.0710	0.0846	NA	0.0112	0.0134
Lung	0	0	NA	0	0
Muscle ^h	0.146	0.095	NA	0.296	0.191
Skin ^h	1.37	0.78	NA	1.30	0.74
Spleen	0.0261	0.0522	NA	0.0003	0.0005
Thyroid	0.777	0.991	NA	0.0002	0.0002
Uterus	0.685	0.463	NA	0.0019	0.0015
Stomach ^j	NA	–	NA	0.140	0.125
Small Intestine ^j	NA	–	NA	0.104	0.131
Cecum ^j	NA	–	NA	0.702	0.564
Large Intestine ^j	NA	–	NA	0.488	0.431
Carcass ^k	NA	–	NA	13.5	12.6

Disposition Summary – Overall Percent Dose Recovered (Absorbed + Unabsorbed Dose)

Percent Dose	Mean ± SD
Absorbed Dose	–
Tissues	16.6 ± 12.6
Dose-Site Skin	5.17 ± 1.73
Excreta	32.8 ± 12.9
Total % Dose Absorbed	54.6 ± 11.0
Unabsorbed Dose	–
Gauze Wash	31.0 ± 10.9
Dose-Site Rinse	0.0926 ± 0.0408
Total % Dose Unabsorbed	31.1 ± 10.9
Overall % Dose Recovered	85.7 ± 1.6

^aAll values expressed as mean ± SD (N = 4). The target dose was 2 mg AOC/kg. The actual dose delivered was 2.45 ± 0.04 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.

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^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).