

**Recovery of Radioactivity Through 24 Hours Following Oral Gavage Administration  
of 3.5 mg/kg [<sup>14</sup>C] 5-Amino-o-cresol to Female F344 Rats (Study G)<sup>a</sup>**

Dose Recovered in Excreta (%)

End of Collection Period (h)	Urine CPDE <sup>b</sup>	Feces CPDE	Volatile Organics <sup>c</sup> CPDE	CO <sub>2</sub> <sup>c</sup> CPDE	Total CPDE
6	61.9 ± 6.7	d	0.0060 ± 0.0024	0.0813 ± 0.0177	62.0 ± 6.7
12	78.5 ± 8.6	0.322 ± 0.505	0.0088 ± 0.0023	0.104 ± 0.017	78.9 ± 8.9
24 <sup>e</sup>	81.5 ± 9.2	5.38 ± 2.09	0.0116 ± 0.0023	0.130 ± 0.011	87.0 ± 8.6

Distribution in Tissues (24 hours)

Tissue	nmol-eq AOC per g Tissue <sup>f</sup> Mean	nmol-eq AOC per g Tissue SD	Tissue/Blood Ratio <sup>g</sup>	% Dose in Total Tissue <sup>f</sup> Mean	% Dose in Total Tissue SD
Adipose <sup>h</sup>	0.177	0.132	NA <sup>i</sup>	0.0383	0.0299
Urinary Bladder	0.221	0.168	NA	0.0003	0.0003
Blood <sup>h</sup>	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	0.0028	0.0055	NA	0.0001	0.0001
Muscle <sup>h</sup>	0.0046	0.0092	NA	0.0056	0.0112
Skin <sup>h</sup>	0.155	0.148	NA	0.0914	0.0895
Spleen	0.0180	0.0212	NA	0.0002	0.0002
Thyroid	0.650	0.974	NA	0.0001	0.0000
Uterus	0.280	0.361	NA	0.0020	0.0024
Stomach <sup>j</sup>	NA	–	NA	0.0384	0.0246
Small Intestine <sup>j</sup>	NA	–	NA	0.116	0.021
Cecum <sup>j</sup>	NA	–	NA	1.02	0.26
Large Intestine <sup>j</sup>	NA	–	NA	0.598	0.655
Carcass <sup>k</sup>	NA	–	NA	0.482	0.395

Disposition Summary – Overall Percent Dose Recovered

Percent Dose Recovered	Mean ± SD
Tissues	2.39 ± 0.79
Excreta	87.0 ± 8.6
<b>Overall % Dose Recovered</b>	<b>89.4 ± 8.9</b>

<sup>a</sup>All values expressed as mean ± standard deviation (SD) (N = 4). The target dose was 3.5 mg AOC/kg. The actual dose delivered was 4.05 ± 0.10 mg/kg.

<sup>b</sup>CPDE = Cumulative percent dose excreted.

<sup>c</sup>Volatile organics and CO<sub>2</sub> in exhaled breath.

<sup>d</sup>The first feces collection was 0–12 hours (h).

<sup>e</sup>24-h urine collection includes urine present in the urinary bladder at study termination.

<sup>f</sup>A 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.

<sup>g</sup>Radioactivity was not detected in blood; therefore tissue/blood ratios cannot be determined.

<sup>h</sup>Percent 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%.

<sup>i</sup>NA = Not applicable.

<sup>j</sup>Includes contents.

<sup>k</sup>Carcass 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.)