

**Recovery of Radioactivity Through 24 Hours Following Oral Gavage Administration  
of 35 mg/kg [<sup>14</sup>C] 5-Amino-o-cresol to Female F344 Rats (Study F)<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	68.6 ± 8.3	d	0.0040 ± 0.0018	0.0673 ± 0.0062	68.7 ± 8.3
12	89.7 ± 1.5	0.485 ± 0.317	0.0063 ± 0.0026	0.0928 ± 0.0097	90.3 ± 1.5
24 <sup>e</sup>	92.9 ± 1.6	3.87 ± 0.47	0.0090 ± 0.0025	0.108 ± 0.011	96.9 ± 1.8

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>	0.442	0.258	NA <sup>i</sup>	0.0096	0.0058
Urinary Bladder	4.49	5.99	NA	0.0007	0.0009
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	0	NA	0	0
Muscle <sup>h</sup>	0.170	0.148	NA	0.0201	0.0164
Skin <sup>h</sup>	1.84	0.28	NA	0.106	0.013
Spleen	0	0	NA	0	0
Thyroid	3.65	0.95	NA	0.0001	0.0000
Uterus	1.32	1.33	NA	0.0012	0.0013
Stomach <sup>j</sup>	NA	–	NA	0.159	0.289
Small Intestine <sup>j</sup>	NA	–	NA	0.0613	0.0339
Cecum <sup>j</sup>	NA	–	NA	0.288	0.203
Large Intestine <sup>j</sup>	NA	–	NA	0.485	0.199
Carcass <sup>k</sup>	NA	–	NA	0.414	0.180

Disposition Summary – Overall Percent Dose Recovered

Percent Dose Recovered	Mean ± SD
Tissues	1.55 ± 0.44
Excreta	96.9 ± 1.8
<b>Overall % Dose Recovered</b>	<b>98.4 ± 1.5</b>

<sup>a</sup>All values expressed as mean ± standard deviation (SD) (N = 4). The target dose was 35 mg AOC/kg. The actual dose delivered was 40.7 ± 2.8 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.)