

### Recovery of Radioactivity 24 Hours Following Dermal Administration of 550 mg/kg [<sup>14</sup>C]Iso E Super to Male Fischer 344 Rats with Uncovered Dose Sites Group UN-24-550

#### Distribution in Tissues (24 h)

Sample	ng-eq IES per g Tissue <sup>a</sup> (Mean)	ng-eq IES per g Tissue <sup>a</sup> (SD)	Tissue Blood Ratio <sup>a</sup> (Mean)	Tissue Blood Ratio <sup>a</sup> (SD)	% Dose in Total Tissue <sup>a</sup> (Mean)	% Dose in Total Tissue <sup>a</sup> (SD)
Blood	10950	2092	Unity	-	0.137	0.038
Adipose	39493	4907	3.64	0.23	0.466	0.100
Muscle	10441	240	0.98	0.18	0.711	0.113
Bladder	64338	21769	6.25	2.93	0.005	0.001
Skin (ears)	311904	21496	28.97	3.95	0.118	0.027
Spleen	19961	15094	1.72	0.99	0.008	0.006
Liver	44378	6188	4.08	0.23	0.274	0.059
Kidney	103291	44534	10.04	6.01	0.122	0.060
Brain	4827	216	0.45	0.08	0.006	0.001
Heart	14112	4469	1.27	0.16	0.007	0.003
Lung	19758	2021	1.85	0.42	0.012	0.003
Testes	7987	1323	0.73	0.05	0.014	0.002
Thymus	27550	8948	2.60	0.99	0.005	0.002
Pancreas	33364	3211	3.08	0.28	0.016	0.004
<b>Total in Tissues</b>	-	-	-	-	<b>1.90</b>	<b>0.35</b>
Stomach + Contents	4121	1404	-	-	0.29	0.12
Small Int + Contents	63818	3090	-	-	4.78	0.80
Cecum + Contents	51214	21548	-	-	3.69	1.95
Large Int + Contents	15406	5255	-	-	1.13	0.45
<b>Total in GI Tract<sup>a</sup></b>	-	-	-	-	<b>9.9</b>	<b>2.5</b>
Dose Skin Site	119975	48387	11.77	6.62	8.61	3.91

#### Percent of Dose Recovered in Excreta

Excreta	4-13	4-14	4-15	Mean	SD
Urine <sup>b</sup>	7.0	12.6	8.9	9.5	2.8
Feces	1.4	3.0	1.4	1.9	0.9
<b>Total Excreted</b>	<b>8.4</b>	<b>15.5</b>	<b>10.3</b>	<b>11.4</b>	<b>3.7</b>

#### Disposition Summary – Percent of Dose Recovered

Absorbed	4-13	4-14	4-15	Mean	SD
Urine	7.0	12.6	8.9	9.5	2.8
Feces	1.4	3.0	1.4	1.9	0.9
Tissues	2.0	2.2	1.5	1.9	0.3
GI Tract	9.5	12.6	7.6	9.9	2.5
Carcass Digest	20.8	34.6	36.6	30.7	8.6
<b>Total Absorbed</b>	<b>40.7</b>	<b>64.9</b>	<b>55.9</b>	<b>53.8</b>	<b>12.3</b>
<b>Dose Site Skin</b>	<b>13.1</b>	<b>5.7</b>	<b>7.1</b>	<b>8.61</b>	<b>3.91</b>
<b>Unabsorbed</b>	-	-	-	-	-
VOC	2.5	2.2	1.6	2.1	0.5
Appliance and washes	25.9	11.7	21.6	19.8	7.3
<b>Total % Applied Dose Recovered</b>	<b>82.20</b>	<b>84.58</b>	<b>86.22</b>	<b>84.3</b>	<b>2.0</b>

*n* = 3. Results from 4-16 excluded from averages due to loss of the dose site skin sample.

SD = standard deviation.

<sup>a</sup> Includes contents.

<sup>b</sup> Includes urine present in the bladder at time of sacrifice and cage rinse.