

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

Distribution in Tissues (24 h)

| Sample | ng-eq IES per g Tissue (Mean) | ng-eq IES per g Tissue (SD) | Tissue Blood Ratio (Mean) | Tissue Blood Ratio (SD) | % Dose in Total Tissue (Mean) | % Dose in Total Tissue (SD) |
|--------------------------------------|-------------------------------|-----------------------------|---------------------------|-------------------------|-------------------------------|-----------------------------|
| Blood | 2924 | 1367 | Unity | - | 0.035 | 0.017 |
| Adipose | 21599 | 3881 | 9.28 | 5.53 | 0.240 | 0.038 |
| Muscle | 1984 | 532 | 0.76 | 0.24 | 0.128 | 0.034 |
| Bladder | 8466 | 2739 | 3.81 | 2.61 | 0.001 | 0.000 |
| Skin (ears) | 23017 | 5333 | 9.08 | 3.56 | 0.008 | 0.003 |
| Spleen | 3595 | 1531 | 1.76 | 1.67 | 0.001 | 0.000 |
| Liver | 14889 | 3572 | 5.86 | 2.37 | 0.079 | 0.021 |
| Kidney | 32238 | 2309 | 13.59 | 7.39 | 0.036 | 0.003 |
| Brain | 1771 | 122 | 0.74 | 0.39 | 0.002 | 0.000 |
| Heart | 3734 | 484 | 1.56 | 0.87 | 0.002 | 0.000 |
| Lung | 6068 | 956 | 2.59 | 1.48 | 0.004 | 0.002 |
| Testes | 1862 | 419 | 0.77 | 0.42 | 0.003 | 0.001 |
| Thymus | 9031 | 564 | 3.86 | 2.34 | 0.001 | 0.000 |
| Pancreas | 21942 | 3681 | 8.62 | 3.20 | 0.013 | 0.003 |
| Total in Tissues | - | - | - | - | 0.55 | 0.09 |
| Stomach + Contents | 1342 | 943 | - | - | 0.09 | 0.06 |
| Small Int + Contents | 23676 | 3165 | - | - | 1.61 | 0.23 |
| Cecum + Contents | 12394 | 1251 | - | - | 0.83 | 0.05 |
| Large Int + Contents | 2694 | 834 | - | - | 0.18 | 0.06 |
| Total in GI Tract^a | - | - | - | - | 2.7 | 0.2 |
| Dose Skin Site | 249810 | 64246 | 100.91 | 56.02 | 17.55 | 4.56 |

Percent of Dose Recovered in Excreta

| Sample | 1-01 | 1-02 | 1-03 | 1-04 | Mean | SD |
|-----------------------|------------|------------|------------|------------|------------|------------|
| Urine ^b | 0.9 | 1.2 | 0.6 | 0.9 | 0.9 | 0.2 |
| Feces | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 |
| Total Excreted | 1.2 | 1.4 | 0.8 | 1.2 | 1.2 | 0.3 |

Disposition Summary – Percent of Dose Recovered

| Absorbed | 1-01 | 1-02 | 1-03 | 1-04 | Mean | SD |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|-------------|
| Urine | 0.9 | 1.2 | 0.6 | 0.9 | 0.9 | 0.2 |
| Feces | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 |
| Tissues | 0.5 | 0.5 | 0.5 | 0.7 | 0.6 | 0.1 |
| GI Tract | 2.8 | 2.9 | 2.6 | 2.6 | 2.7 | 0.2 |
| Carcass Digest | 4.3 | 5.4 | 6.4 | 7.1 | 5.8 | 1.2 |
| Total Absorbed | 8.8 | 10.4 | 10.3 | 11.5 | 10.2 | 1.1 |
| Dose Site Skin | 18.5 | 12.3 | 23.2 | 16.2 | 17.55 | 4.56 |
| Unabsorbed | - | - | - | - | - | - |
| VOC | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 |
| Appliance and washes | 59.1 | 65.6 | 57.2 | 62.8 | 61.2 | 3.7 |
| Total % Applied Dose Recovered | 86.62 | 88.50 | 90.98 | 90.85 | 89.2 | 2.1 |

n = 4. SD = standard deviation.

^a Includes contents.

^b Includes urine present in the bladder at time of sacrifice and cage rinse.