

**Distribution of Radioactivity 24 Hours Following Dermal Administration of 55 mg/kg
[¹⁴C]Iso E Super to Male Fischer 344 Rats with Covered Dose Sites Group C-24**

Distribution in Tissues (24 h)

Sample	ng-eq IES per g Tissue ^a (Mean)	ng-eq IES per g Tissue ^a (SD)	Tissue Blood Ratio ^a (Mean)	Tissue Blood Ratio ^a (SD)	% Dose in Total Tissue ^a (Mean)	% Dose in Total Tissue ^a (SD)
Blood	246	113	Unity	-	0.030	0.013
Adipose	1842	924	8.68	4.93	0.212	0.099
Muscle	208	90	1.03	0.69	0.139	0.056
Bladder	3477	3308	26.53	40.53	0.004	0.005
Skin (ears)	4217	1536	20.44	10.55	0.012	0.005
Spleen	360	100	1.82	1.16	0.001	0.000
Liver	1818	262	8.95	4.65	0.107	0.012
Kidney	2697	434	13.57	8.17	0.034	0.004
Brain	128	28	0.65	0.41	0.001	0.000
Heart	356	75	1.80	1.11	0.002	0.001
Lung	638	121	3.10	1.54	0.004	0.000
Testes	200	81	0.97	0.57	0.003	0.001
Thymus	294	115	1.40	0.72	0.000	0.000
Pancreas	1816	708	9.13	6.38	0.007	0.003
Total in Tissues	-	-	-	-	0.56	0.14
Stomach + Contents	164	75	-	-	0.12	0.05
Small Int + Contents	3224	512	-	-	2.75	0.43
Cecum + Contents	1403	304	-	-	1.09	0.28
Large Int + Contents	425	147	-	-	0.33	0.12
Total in GI Tract	-	-	-	-	4.3	0.7
Dose Skin Site	11436	2081	63.60	53.83	9.19	1.60

Percent of Dose Recovered in Excreta

Excreta	1-01	1-02	1-03	1-04	Mean	SD
Urine ^b	1.0	0.9	1.5	1.4	1.2	0.3
Feces	0.6	0.4	1.0	0.4	0.6	0.3
Total Excreted	1.6	1.3	2.5	1.9	1.8	0.5

Disposition Summary – Percent of Dose Recovered

Sample	1-01	1-02	1-03	1-04	Mean	SD
Absorbed	-	-	-	-	-	-
Urine	1.0	0.9	1.5	1.4	1.2	0.3
Feces	0.6	0.4	1.0	0.4	0.6	0.3
Tissues	0.4	0.5	0.7	0.7	0.6	0.1
GI Tract	3.5	4.5	4.0	5.1	4.3	0.7
Carcass Digest	2.4	2.1	2.2	2.3	2.3	0.1
Total Absorbed	7.8	8.5	9.3	10.0	8.9	1.0
Dose Site Skin	7.0	10.8	9.8	9.1	9.19	1.60
Unabsorbed	-	-	-	-	-	-
Appliance and washes	54.8	62.9	58.9	64.2	60.2	4.2
Total % Applied Dose Recovered	69.65	82.18	78.10	83.33	78.3	6.2

n = 4. SD = standard deviation.

^a Includes contents.

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