

Recovery of Radioactivity 48 Hours Following Dermal Administration of 55 mg/kg [14C]Iso E Super to Male Fischer 344 Rats with Covered Dose Sites Group C-48

Distribution in Tissues (48 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	258	68	Unity	-	0.030	0.007
Adipose	1472	555	5.82	2.19	0.165	0.058
Muscle	657	817	2.69	3.34	0.412	0.502
Bladder	2403	1332	8.98	3.26	0.003	0.001
Skin (ears)	3127	684	12.73	4.21	0.009	0.003
Spleen	508	377	2.12	1.63	0.002	0.001
Liver	1874	426	7.59	2.50	0.107	0.034
Kidney	1533	279	6.04	0.58	0.018	0.002
Brain	82	18	0.34	0.14	0.001	0.000
Heart	283	76	1.17	0.52	0.002	0.001
Lung	465	96	1.88	0.56	0.003	0.001
Testes	136	32	0.55	0.22	0.003	0.001
Thymus	312	84	1.23	0.30	0.000	0.000
Pancreas	2568	1775	11.13	9.84	0.008	0.006
Total in Tissues	-	-	-	-	0.76	0.50
Stomach + Contents	98	33	-	-	0.08	0.03
Small Int + Contents	3100	777	-	-	2.66	0.49
Cecum + Contents	1302	299	-	-	1.04	0.19
Large Int + Contents	636	327	-	-	0.54	0.26
Total in GI Tract^a	-	-	-	-	4.3	0.7
Dose Skin Site	5452	1789	21.07	5.04	4.41	1.10

Percent of Dose Recovered in Excreta

Excreta	2-05	2-06	2-07	2-08	Mean	SD
Urine ^a	2.8	2.4	3.8	3.2	3.0	0.6
Feces	1.7	1.6	2.5	2.2	2.0	0.4
Total Excreted	4.5	4.0	6.3	5.4	5.0	1.0

Disposition Summary – Percent of Dose Recovered

Absorbed	2-05	2-06	2-07	2-08	Mean	SD
Urine	2.8	2.4	3.8	3.2	3.0	0.6
Feces	1.7	1.6	2.5	2.2	2.0	0.4
Tissues	0.5	1.5	0.5	0.5	0.8	0.5
GI Tract ^b	3.9	4.2	5.3	3.8	4.3	0.7
Carcass Digest	1.6	3.6	2.0	2.6	2.5	0.9
Total Absorbed	10.6	13.2	14.2	12.3	12.6	1.5
Dose Site Skin	2.9	4.8	5.5	4.5	4.41	1.10
Unabsorbed	-	-	-	-	-	-
Appliance and washes	47.4	60.1	58.6	63.0	57.3	6.8
Total % Applied Dose Recovered	60.89	78.19	78.25	79.77	74.3	9.0

n = 4. SD = standard deviation. !

^a Includes contents. !

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