

Recovery of Radioactivity 48 Hours Following Dermal Administration of 550 mg/kg [¹⁴C]Iso E Super to Male Fischer 344 Rats with Covered Dose Sites Group C-48-550

Distribution in Tissues (48 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	5374	1689	Unity	-	0.066	0.015
Adipose	25116	5679	4.88	1.45	0.292	0.054
Muscle	4335	2491	0.88	0.63	0.293	0.166
Bladder	23919	16051	4.18	1.67	0.002	0.001
Skin (ears)	28747	6047	5.63	1.80	0.012	0.003
Spleen	4404	2247	0.87	0.55	0.002	0.001
Liver	19002	4625	3.61	0.63	0.104	0.008
Kidney	28923	7053	5.56	1.46	0.036	0.007
Brain	1717	450	0.33	0.07	0.002	0.000
Heart	4178	1093	0.80	0.22	0.002	0.000
Lung	6635	1296	1.28	0.27	0.004	0.001
Testes	2084	512	0.40	0.12	0.004	0.001
Thymus	9675	2885	1.93	0.84	0.001	0.001
Pancreas	18080	2458	3.51	0.77	0.011	0.001
Total in Tissues	-	-	-	-	0.83	0.16
Stomach + Contents	614	524	-	-	0.04	0.03
Small Int + Contents	24191	5443	-	-	1.57	0.30
Cecum + Contents	21450	3856	-	-	1.47	0.17
Large Int + Contents	6161	2680	-	-	0.41	0.16
Total in GI Tract^a	-	-	-	-	3.5	0.4
Dose Skin Site	228038	27503	45.15	13.17	16.26	1.96

Percent of Dose Recovered in Excreta

Sample	2-05	2-06	2-07	2-08	Mean	SD
Urine ^b	4.1	3.7	4.4	3.6	3.9	0.4
Feces	1.7	0.4	1.3	2.0	1.4	0.7
Total Excreted	5.8	4.1	5.7	5.6	5.3	0.8

Disposition Summary – Percent of Dose Recovered

Absorbed	2-05	2-06	2-07	2-08	Mean	SD
Urine	4.1	3.7	4.4	3.6	3.9	0.4
Feces	1.7	0.4	1.3	2.0	1.4	0.7
Tissues	0.8	0.8	1.1	0.7	0.8	0.2
GI Tract	3.8	3.6	3.6	2.9	3.5	0.4
Carcass Digest	3.1	5.5	4.8	3.0	4.1	1.3
Total Absorbed	13.4	14.0	15.2	12.3	13.7	1.2
Dose Site Skin	18.5	15.1	17.3	14.2	16.26	1.96
Unabsorbed	-	-	-	-	-	-
VOC	0.8	0.2	0.8	0.5	0.6	0.3
Appliance and washes	59.1	60.5	54.6	65.5	59.9	4.5
Total % Applied Dose Recovered	91.75	89.88	87.81	92.45	90.5	2.1

n = 4. SD = standard deviation.

^a Includes contents.

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