

Recovery of Radioactivity 8 Hours Following Single Oral Gavage Administration of 20 mg/kg [¹⁴C]Iso E Super to Male Fischer 344 Rats Group C

Target Dose 20 mg/kg
 Actual Dose (mg/kg) 20.5 ± 0.6
 Radioactivity (μCi/rat) 4.97 ± 0.44

Distribution in Tissues (8 h)

Tissue	ng-eq IES per g Tissue ^a Mean	ng-eq IES per g Tissue SD	Tissue Blood Ratio ^a Mean	Tissue Blood Ratio SD	% Dose in Total Tissue ^a Mean	% Dose in Total Tissue SD
Blood	843	197	0.0	0.00	0.30	0.06
Adipose	4403	2661	5.4	3.4	1.5	0.91
Muscle	1872	1935	2.7	3.2	3.8	4.0
Skin	537	94	0.6	0.07	0.50	0.08
Bladder	29439	37823	31	34	0.03	0.04
Testes	389	70	0.5	0.06	0.02	0.003
Kidney	7225	1743	8.6	1.2	0.26	0.07
Spleen	2065	912	2.6	1.2	0.02	0.01
Liver	7305	1132	8.8	1.0	1.4	0.24
Lung	863	168	1.0	0.1	0.02	0.004
Heart	712	125	0.9	0.08	0.01	0.002
Brain	126	24	0.2	0.02	0.005	0.001
Thymus	470	89	0.6	0.04	0.002	0.001
Pancreas	8440	2919	11	4.6	0.21	0.08
Total in Non-digestive Tract Tissues	-	-	-	-	8.1	4.3

Percent Dose in Total Tissue

Tissue	Mean	SD
Stomach and Contents	3.8	2.1
Small Intestines and Contents	33	2.0
Cecum and Contents	32	4.4
Large Intestines and Contents	6.1	1.6
Total in Digestive Tract Tissues and Contents	74	0.8
Total in All Tissues^a	80	0.8

Percent Dose Excreted

Sample	Mean	SD
Urine ^b	6.2	2.7
Feces	0.13	0.25
Total Excreted	6.4	2.7
Total % Dose Recovered	87	3.2

n = 4. SD = standard deviation.

^a Includes radioactivity recovered in carcass.

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