

Recovery of Radioactivity 4 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) 20.9 ± 1.1
 Radioactivity (μCi/rat) 5.23 ± 0.32

Distribution in Tissues (4 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	731	119	0.0	0.00	0.26	0.05
Adipose	2462	1061	3.3	1.3	0.82	0.34
Muscle	916	426	1.2	0.53	1.8	0.79
Skin	1078	923	1.6	1.7	0.99	0.86
Bladder	11787	5230	16	7.2	0.02	0.01
Testes	428	99	0.6	0.05	0.02	0.006
Kidney	7053	1707	9.6	1.2	0.27	0.06
Spleen	2237	2537	3.2	3.7	0.02	0.02
Liver	7774	1493	11	0.85	1.6	0.31
Lung	903	158	1.2	0.06	0.02	0.003
Heart	774	142	1.1	0.08	0.01	0.003
Brain	152	26	0.2	0.004	0.006	0.001
Thymus	532	149	0.7	0.11	0.003	0.001
Pancreas	7154	2704	9.6	3.2	0.15	0.07
Total in Non-digestive Tract Tissues	-	-	-	-	5.9	0.81

Percent Dose in Total Tissue

Tissue	Mean	SD
Stomach and Contents	16	4.7
Small Intestines and Contents	34	2.7
Cecum and Contents	23	7.8
Large Intestines and Contents	1.8	1.9
Total in Digestive Tract Tissues and Contents	75	5.4
Total in All Tissues^a	80	5.9

Percent Dose Excreted

Sample	Mean	SD
Urine ^b	4.4	1.7
Feces	0.0	-
Total Excreted	4.4	1.7
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.