

C.4.4. Absorbed doses for L-[methyl-¹¹C]-methionine¹¹C 20.4 min

Organ	Absorbed dose per unit activity administered (mGy/MBq)				
	Adult	15 years	10 years	5 years	1 year
Adrenals	2.9E-03	3.7E-03	5.7E-03	9.0E-03	1.6E-02
Bladder	1.1E-01	1.4E-01	2.1E-01	3.3E-01	6.0E-01
Bone surfaces	1.8E-03	2.2E-03	3.5E-03	5.5E-03	1.1E-02
Brain	2.2E-03	2.2E-03	2.4E-03	2.8E-03	4.0E-03
Breasts	1.3E-03	1.7E-03	2.7E-03	4.5E-03	8.9E-03
Gallbladder	1.1E-02	1.2E-02	1.6E-02	2.9E-02	9.6E-02
Gastrointestinal tract					
Stomach	2.2E-03	2.6E-03	4.3E-03	6.9E-03	1.3E-02
Small intestine	3.4E-03	4.5E-03	7.4E-03	1.2E-02	2.2E-02
Colon	3.0E-03	3.8E-03	5.9E-03	9.2E-03	1.6E-02
(Upper large intestine	2.7E-03	3.4E-03	5.5E-03	8.8E-03	1.6E-02)
(Lower large intestine	3.4E-03	4.3E-03	6.4E-03	9.7E-03	1.6E-02)
Heart	1.9E-03	2.5E-03	4.0E-03	6.3E-03	1.2E-02
Kidneys	3.0E-02	3.6E-02	5.1E-02	7.5E-02	1.4E-01
Liver	1.1E-02	1.5E-02	2.3E-02	3.4E-02	6.5E-02
Lungs	4.5E-03	6.7E-03	9.5E-03	1.5E-02	2.9E-02
Muscles	2.0E-03	2.5E-03	4.0E-03	6.4E-03	1.2E-02
Oesophagus	1.5E-03	1.9E-03	3.0E-03	4.9E-03	9.5E-03
Ovaries	3.7E-03	4.8E-03	7.1E-03	1.1E-02	1.9E-02
Pancreas	1.4E-02	2.0E-02	4.1E-02	5.3E-02	1.2E-01
Red marrow	2.0E-03	2.6E-03	3.8E-03	5.6E-03	1.0E-02
Skin	1.3E-03	1.7E-03	2.7E-03	4.5E-03	8.8E-03
Spleen	5.8E-03	8.2E-03	1.3E-02	2.0E-02	3.6E-02
Testes	2.7E-03	3.8E-03	6.6E-03	1.0E-02	1.9E-02
Thymus	1.5E-03	1.9E-03	3.0E-03	4.9E-03	9.5E-03
Thyroid	1.3E-03	1.7E-03	2.8E-03	4.7E-03	9.3E-03
Uterus	6.5E-03	7.7E-03	1.3E-02	1.9E-02	3.3E-02
Remaining organs	2.4E-03	3.2E-03	5.1E-03	8.2E-03	1.4E-02
Effective dose (mSv/MBq)	8.4E-03	1.1E-02	1.7E-02	2.6E-02	4.7E-02

Bladder wall contributes 65% of the effective dose.