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Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	4.5×10^9 Years
Origin [1]	Natural
Principal decay mode [1]	Alpha
Specific activity [2]	12.4×10^3 Bq/g
Freshwater Kd [3]	5.0×10^1 L kg^{-1}
Marine Kd [4]	5.0×10^2 L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [3]	4.6×10^{-2}
CR Freshwater fish [3]	2.4×10^0 L kg^{-1}
CR Marine fish [4]	1.0×10^0 L kg^{-1}
F_f Cow meat [3]	3.9×10^{-4} d kg^{-1}
F_m Cow milk [3]	1.8×10^{-3} d kg^{-1}
Human fractional absorption (f1) [5]	0.02
Inhalation dose coefficient [6]	8.0×10^{-6} Sv Bq^{-1}
Ingestion dose coefficient [6]	4.5×10^{-8} Sv Bq^{-1}
Biological half life for Human (adult) [7]	a: 20 days (0.2) , b: 5000 days (0.23) bones: a: 6 days (0.12) , b: 1500 days (0.00052) kidneys: 6 days (0.12) , b: 1500 days (0.00052) other tissues
Biological half life for Cow milk [8]	No data available
EU Food intervention limit- Dairy [8]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [8]	400 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Liquid [8]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Other food [8]	1250 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Minor food [8]	12500 Bq L^{-1} or Bq kg^{-1}

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Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL— Soil [9]	1.1×10^2 Bq kg^{-1}
Freshwater EMCL—Water [9]	2.5×10^{-1} Bq L^{-1}
Freshwater EMCL— Sediment [9]	1.2×10^1 Bq kg^{-1}
Marine EMCL — Water [9]	2.0×10^{-1} Bq L^{-1}
Marine EMCL — Sediment [9]	3.3×10^1 Bq kg^{-1}
CR Terrestrial mammal (rat) [9]	5.5×10^{-3}
CR Freshwater fish [9]	7.2×10^1
CR Freshwater mollusc [9]	5.6×10^2
CR Marine fish [9]	8.8×10^0
CR Marine mollusc [9]	3.2×10^1
Internal DCC Terrestrial mammal (rat) on soil [9]	2.8×10^{-2} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [9]	1.5×10^{-7} µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [9]	6.7×10^{-8} µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [9]	2.8×10^{-2} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [9]	2.0×10^{-7} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [9]	1.0×10^{-7} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic) [9]	2.6×10^{-2} µGy h-1/Bq kg-1 whole organism
External DCC Freshwater fish in water [9]	1.6×10^{-7} µGy h^{-1}/Bq L^{-1} water

All terms used in these tables are described nd discussed in underlying documents accessed via the hyperlinks provided