^{129m}Te

Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	33.6 days
Origin [1]	Fission [activation]
Principal decay mode [1]	beta
Specific activity [2]	9.25×10^{14} Bq/g
Freshwater Kd	No value available
Marine Kd [3]	1×10^3 L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [4]	1.0×10^0
CR Freshwater fish [4]	4.2×10^2 L kg^{-1}
CR Marine fish [3]	1×10^3 L kg^{-1}
F_f Cow meat [4]	7.0×10^{-3} d kg^{-1}
F_m Cow milk [4]	3.4×1.0^{-4} d kg^{-1}
Human fractional absorption (f1) [5]	0.3
Inhalation dose coefficient [6]	7.9×10^{-9} Sv Bq^{-1}
Ingestion dose coefficient [6]	3.0×10^{-9} Sv Bq^{-1}
Biological half life for Human (adult) [7]	Bone: 5000d (0.25) , organs & tissues: 20 d (0.25)
Biological half life for Cow milk [8]	a: 1.9 days , b: 18 days
EU Food intervention limit- Dairy [9]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [9]	400 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Liquid [9]	12500 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Other food [9]	1250 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Minor food [9]	1000 Bq L^{-1} or Bq kg^{-1}

^{129m} Te Nuclear data

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Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL — Soil [10]	5.35×10^3 Bq kg^{-1}
Freshwater EMCL — Water [10]	1.90×10^0 Bq L^{-1}
Freshwater EMCL — Sediment [10]	1.96×10^3 Bq kg^{-1}
Marine EMCL — Water [10]	1.91×10^0 Bq L^{-1}
Marine EMCL — Sediment [10]	3.01×10^2 Bq kg^{-1}
CR Terrestrial mammal (rat) [10]	1.9×10^{-1}
CR Freshwater fish [10]	3.3×10^2
CR Freshwater mollusc [10]	3.3×10^3
CR Marine fish [10]	6.9×10^2
CR Marine mollusc [10]	1.5×10^3
Internal DCC Terrestrial mammal (rat) on soil [10]	3.6×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [10]	3.3×10^{-5} µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [10]	1.3×10^{-5} µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [10]	3.6×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [10]	5.1×10^{-5} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [10]	2.6×10^{-5} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic) [10]	3.7×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Freshwater fish in water [10]	4.2×10^{-5} µGy h^{-1}/Bq L^{-1} water

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