^{234}Th

Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	2.41×10^1 Days
Origin [1]	Decay product of ^{238}U
Principal decay mode [1]	beta
Specific activity [2]	8.51×10^{14} Bq/g
Freshwater Kd [3]	1.9×10^5 L kg^{-1}
Marine Kd [4]	5.0×10^6 L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [3]	9.9×10^{-2}
CR Freshwater fish [3]	1.9×10^2 L kg^{-1}
CR Marine fish [4]	6×10^2 L kg^{-1}
F_f Cow meat [3]	2.3×10^4 d kg^{-1}
F_m Cow milk	No data available
Human fractional absorption (f1) [5]	0.0005
Inhalation dose coefficient [6]	7.7×10^{-9} Sv Bq^{-1}
Ingestion dose coefficient [6]	3.4×10^{-9} Sv Bq^{-1}
Biological half life for Human (adult) [7]	a: 8000 days (0.7) bone b: 700 days (0.04) liver c: 700 days (0.16) other organs or tissues
Biological half life for Cow milk	No data available
EU Food intervention limit- Dairy [8]	400 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [8]	1000 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}

^{234}Th Nuclear data

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Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL — Soil [9]	3.0×10^4 Bq kg^{-1}
Freshwater EMCL —Water [9]	8.7×10^{-4} Bq L^{-1}
Freshwater EMCL — Sediment [9]	1.6×10^3 Bq kg^{-1}
Marine EMCL — Water [9]	3.2×10^{-3} Bq L^{-1}
Marine EMCL — Sediment [9]	9.8×10^4 Bq kg^{-1}
CR Terrestrial mammal (rat) [9]	1.4×10^{-4}
CR Freshwater fish [9]	7.1×10^2
CR Freshwater mollusc [9]	1.0×10^4
CR Marine fish [9]	1.3×10^3
CR Marine mollusc [9]	1.7×10^3
Internal DCC Terrestrial mammal (rat) on soil [9]	4.9×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [9]	1.1×10^{-5} µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [9]	4.5×10^{-6} µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [9]	4.8×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [9]	5.1×10^{-5} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [9]	2.6×10^{-5} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic) [9]	5.0×10^{-4} µGy h-1/Bq kg-1 whole organism
External DCC Freshwater fish in water [9]	3.1×10^{-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

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