^{125}I

Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	59.4 Days
Origin [1]	Decay of ^{124}Xe
Principal decay mode [1]	Electron capture
Specific activity [2]	6.3×10^{14} Bq/g
Freshwater Kd [3]	4.4×10^{3} L kg^{-1}
Marine Kd [4]	2.0×10^{2} L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [3]	3.7×10^{-3}
CR Freshwater fish [3]	6.5×10^{2} L kg^{-1}
CR Marine fish [4]	9.0×10^{0} L kg^{-1}
F_f Cow meat [3]	6.7×10^{-3} d kg^{-1}
F_m Cow milk [3]	5.4×10^{-3} d L^{-1}
Human fractional absorption (f1) [5]	1.0
Inhalation dose coefficient [6]	3.8×10^{-10} Sv Bq^{-1}
Ingestion Dose Coefficient [6]	1.5×10^{-8} Sv Bq^{-1}
Biological half life for Human (adult) [7]	a: 12 days (80 days in thyroid)
Biological half life for Cow milk [8]	a: 1.0 day (100%)
EU Food intervention limit- Dairy [9]	500 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [9]	150 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Liquid [9]	500 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Other food [9]	2000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Minor food [9]	20000 Bq L^{-1} or Bq kg^{-1}

^{125}I Nuclear data

Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL — Soil [10]	2.11×10^5 Bq kg^{-1}
Freshwater EMCL — Water [10]	1.19×10^0 Bq L^{-1}
Freshwater EMCL — Sediment [10]	5.56×10^4 Bq kg^{-1}
Marine EMCL — Water [10]	6.99×10^0 Bq L^{-1}
Marine EMCL — Sediment [10]	1.69×10^2 Bq kg^{-1}
CR Terrestrial mammal (rat) [10]	4.0×10^{-1}
CR Freshwater fish [10]	3.2×10^2
CR Freshwater mollusc [10]	8.3×10^1
CR Marine fish [10]	9.0×10^0
CR Marine mollusc [10]	8.8×10^3
Internal DCC Terrestrial mammal (rat) on soil [10]	3.3×10^{-5} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [10]	4.7×10^{-6} µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [10]	1.9×10^{-6} µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [10]	3.3×10^{-5} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [10]	1.4×10^{-5} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [10]	7.0×10^{-6} µGy h-1/Bq kg-1 sediment
Internal DCC Freshwater fish (pelagic) [10]	3.60×10^{-5} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Freshwater fish in water [10]	1.10×10^{-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