Tritium Decay

^{3}H-->Beta (5.7 keV) + ^{3}He

$t_{1/2}$= 12.35 y 5.6% y^{-1}

Tritium Costs

Activity = 10,000 Ci/g
Cost ≈ $ 30,000/g 30$B/tonne

Biological Effects

- Biological half life ≈ 10 days
- Ingested Dose 1 Ci ≈ 70 mrem
- Maximum Permissible Body Burden ≈ 1 mCi
- Oxide forms (HTO, T_2O) greater hazard than gaseous forms