

DC | NATIONAL ISOTOPE | DEVELOPMENT CENTER

GED BY THE U.S. DEPARTMENT OF ENERGY ISOTOPE PROGRAM

Product Information

Specifications

Radium-224/Lead-212/Bismuth-212 Generator

- NII

Half-Life/Daughter	Radium-224: 3.6319 days to radon-220 Lead-212: 10.64 hours to bismuth-212
Decay	Decay Radiation Information (NNDC)
Chemical Form	Ra-224 absorbed on AG MP-50 resin
Radionuclide Purity	>99.9% Ra-224; <0.01% Th-228
Production Route	Decay of thorium-228
Processing	Ion exchange separation
Primary Container	Generator is housed in a one inch lead pig with inlet/outlet holes
Availability	Routinely availanle (monthly up to 16 mCi); order 8–10 weeks in advance
Unit of Sale	Millicuries

Other Information

National Isotope Development Center contact@isotopes.gov | (865) 574-6984 | www.isotopes.gov