

# Product Information

## Specifications

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

**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 available (monthly up to 16 mCi); order 8–10 weeks in advance

**Unit of Sale**

Millicuries

## Other Information