

Cadmium-109 Product Information

Specifications

Radioisotope	Cd-109
Half-Life/Daughter	461.4 days to silver-109
Decay	Decay Radiation Information (NNDC)
Chemical Form	Cadmium (II) in 0.1 N HCl
Available Specific Activity	No carrier added, >50 Ci/g
Activity Concentration	>37 MBq/mL (>1 mCi/mL)
Radionuclidic Purity	>99% (excluding cadmium-113m)
Radiochemical Purity	>99% (by gamma spectroscopy)
Production Route	Proton bombardment of indium targets
Processing	Dissolution and ion exchange
Primary Container	Crimp-seal glass vial
Availability	Stock
Unit of Sale	Millicuries