

Magnesium-28 Product Information

Specifications

Radioisotope	Mg-28
Half-life/Daughter	20.915 hours to aluminum-28
Decay	Decay Radiation Information (NNDC)
Chemical Form	Magnesium chloride in 0.1 N HCl
Available Specific Activity	>1.11 MBq/μg (>30 μCi/μg)
Radionuclidic Purity	No gamma emitters detected (<0.5%)
Production Route	Proton-induced spallation of encapsulated potassium chloride target
Processing	Dissolution in water, magnesium recovery by ion exchange
Primary Container	Crimp-seal bottle
Availability	Special order
Unit of Sale	Millicuries