

Iron-52 Product Information

Specifications

Radioisotope	Fe-52
Half-Life/Daughter	8.275 hours to manganese-52m
Decay	Decay Radiation Information (NNDC)
Chemical Form	Iron (III) in 0.05–0.5 N HCl
Radionuclidic Purity	>98%; ~1% Fe-55 and ~0.33% Fe-59
Production Route	Proton bombardment of nickel foil target
Processing	Target dissolution in acid and iron recovery by anion exchange
Primary Container	Crimp-seal glass vial
Availability	Special order
Unit of Sale	Batch