

# Product Information

## Specifications

## Manganese-54

**Half-Life/Daughter**

312.2 days to chromium-54

**Decay**

[Decay Radiation Information \(NNDC\)](#)

**Chemical Form**

Chloride solution (0.5 M HCl)

**Production Route**

n,p reaction on enriched Fe-54 target

**Processing**

Irradiated iron is dissolved in HCl. Manganese-54 is chemically separated (liquid chromatography) from the iron. Manganese solution is concentrated.

**Primary Container**

Screw cap plastic vial

**Availability**

Quarterly

**Unit of Sale**

Millicuries

## Other Information