

# Manganese-54 Product Information

## Specifications

<b>Radioisotope</b>	<b>Mn-54</b>
<b>Half-Life/Daughter</b>	312.2 days to chromium-54
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Chloride solution (0.5 M HCl)
<b>Available Specific Activity</b>	
<b>Activity Concentration</b>	
<b>Radionuclidic Purity</b>	
<b>Production Route</b>	n,p reaction on enriched Fe-54 target
<b>Processing</b>	irradiated iron is dissolved in HCl. Manganese-54 is chemically separated (liquid chromatography) from the iron. Manganese solution is concentrated.
<b>Primary Container</b>	Screw cap plastic vial
<b>Availability</b>	Quarterly
<b>Unit of Sale</b>	Millicuries