

# Rubidium-83 Product Information

## Specifications

<b>Radioisotope</b>	<b>Rb-83</b>
<b>Half-life/Daughter</b>	86.2 days to krypton-83
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Rubidium (I) in 0.05–0.5 N HCl
<b>Available Specific Activity</b>	>3.7 MBq/mg (>0.1 mCi/mg)
<b>Radionuclidic Purity</b>	Rb-86/Rb-83: <0.05% Rb-84/Rb-83: <0.1%
<b>Production Route</b>	Proton bombardment of rubidium chloride target
<b>Processing</b>	Dissolution and ion exchange
<b>Primary Container</b>	Crimp-seal glass vial
<b>Availability</b>	Special order
<b>Unit of Sale</b>	Millicuries