

# Radium-224/Lead-212/Bismuth-212 Generator Product Information

## Specifications

<b>Radioisotope</b>	<b>Ra-224</b>
<b>Half-Life/Daughter</b>	Radium-224: 3.6319 days to radon-220 Lead-212: 10.64 hours to bismuth-212
<b>Decay</b>	<a href="#">Decay Radiation Information (NNDC)</a>
<b>Chemical Form</b>	Ra-224 absorbed on AG MP-50 resin
<b>Radionuclidic Purity</b>	>99.9% Ra-224; <0.01% Th-228
<b>Production Route</b>	Decay of thorium-228
<b>Processing</b>	Ion exchange separation
<b>Primary Container</b>	Generator is housed in a one inch lead pig with inlet/outlet holes
<b>Availability</b>	Routinely available (monthly up to 16 mCi); order 8–10 weeks in advance
<b>Unit of Sale</b>	Millicuries