

# Strontium-82 Product Information

## Specifications

|                                    |  |
|------------------------------------|--|
| <b>Radioisotope</b>                | <b>Sr-82</b>   |
| <b>Half-Life/Daughter</b>          | 25.34 days* to rubidium-82                                       |
| <b>Decay</b>                       | <a href="#">Decay Radiation Information (NNDC)</a>               |
| <b>Chemical Form</b>               | Strontium (Sr <sup>2+</sup> ) chloride in 0.05–0.5 N HCl         |
| <b>Available Specific Activity</b> | >925 MBq/mg (>25 mCi/mg)   |
| <b>Activity Concentration</b>      | >1850 MBq/mL (>50 mCi/mL)  |
| <b>Radionuclidic Purity</b>        | >99% (excluding strontium-85)                                    |
| <b>Production Route</b>            | Proton bombardment of rubidium chloride or rubidium metal target |
| <b>Processing</b>                  | Dissolution and ion exchange                                     |
| <b>Primary Container</b>           | Crimp-seal glass vial  |
| <b>Availability</b>                | Routinely available  |
| <b>Unit of Sale</b>                | Millicuries  |
| <b>Grade</b>                       | cGMP   |

## Other Information

- CoA provided
- Half-life value used internally differs from NNDC value