

⁸²Sr **Strontium-82 Chloride** Radiochemical Solution

Strontium-82 Chloride is used in the manufacturing of Rubidium-82 generators. These generator systems make Rubidium-82 – a Positron Emission Tomography (PET) agent used in myocardial perfusion imaging for patients with suspected or existing coronary artery disease.

Our experts will work closely with you to optimize product and delivery options based on your needs.

Process Data

Nuclear Reaction

⁸⁵Rb (p, 4n) → ⁸²Sr

Assay

High resolution gamma-ray spectrometry at 511 and 776.5 keV via the Rb-82 daughter at equilibrium

Product Specification

Half-Life:

25.35 days

Chemical Form

Strontium in 0.1 ± 0.05N hydrochloric acid

Normality

0.1 ± 0.05N HCl

Specific Activity*

No carrier added, ≥ 25 mCi/mg (≥ 0.92 GBq/mg)

Activity Concentration*

≥ 50 mCi/mL (≥ 1.85 GBq/mL)

Radiopurity*

≤ 5.0 mCi ⁸⁵Sr/mCi ⁸²Sr
 (≤ 5.0 GBq ⁸⁵Sr/GBq ⁸²Sr)
 ≤ 0.0015 mCi ⁸³Rb/mCi ⁸²Sr
 (≤ 0.0015 MBq ⁸³Rb/MBq ⁸²Sr)
 ≤ 0.0015 mCi ⁸⁴Rb/mCi ⁸²Sr
 (≤ 0.0015 MBq ⁸⁴Rb/MBq ⁸²Sr)
 ≤ 0.0015 mCi ⁸³Sr/mCi ⁸²Sr
 (≤ 0.0015 MBq ⁸³Sr/MBq ⁸²Sr)
 ≤ 0.0002 mCi ¹³¹Ba/mCi ⁸²Sr
 (≤ 0.0002 MBq ¹³¹Ba/MBq ⁸²Sr)

Others

≤ 0.01 mCi other nuclides/mCi ⁸²Sr

*As of reference date and time.

Please note that the Strontium-82 Chloride is not tested for sterility or pyrogenicity. Verification of its suitability for use in humans is the sole responsibility of the purchaser.

Packaging

- Hypovial (10 mL, 20 mL)

Advantages



- Key global supplier since 1989
- High quality product
- Multiple irradiation partners for highly scalable production
- Work collaboratively with customers to reliably meet changing market needs



World-Class Delivery Service

BWXT Medical has a world-class distribution system and specialized order management system. Our extensive experience and carefully managed transportation logistics mean products reach your destination on time.

Other BWXT Products:

- Indium (In-111) Oxyquinoline Solution (US only)
- Indium-111 Chloride Radiochemical Solution
- Iodine-123 Sodium Iodide Radiochemical
- Iodine-123 Sodium Iodide Oral Solution (Canada only)
- Germanium-68 Chloride Radiochemical Solution

People Strong
INNOVATION DRIVEN >

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