

¹⁷⁷Lutetium n.c.a. (non-GMP)

Non-carrier-added [¹⁷⁷Lu]Lutetium Chloride solution

Description

Eckert & Ziegler Radiopharma GmbH offers ¹⁷⁷Lutetium chloride solution as a radiochemical for your research activities. The solution is used for calibration purposes and the preparation of radiolabeled compounds in the non-clinical research context.

Product Specifications (non-GMP grade)

Product	[¹⁷⁷ Lu]Lutetium Chloride solution (clear, colorless and free of visible particles)
Active ingredient	[¹⁷⁷ Lu]Lutetium Chloride
Excipients	Hydrochloric acid (0.04 mol/L)
Half-life	6.65 days
Decay energy	β: E _{max} = 498 keV γ: E = 208 keV E = 113 keV
Chemical form	[¹⁷⁷ Lu]LuCl ₃ in 0.04 mol/L hydrochloric acid solution
Specific activity	> 3000 GBq/mg at activity calibration date
Activity	1 - 4 GBq/vial
Pre-calibration	Up to 10 days after production
Reference date	[¹⁷⁷ Lu]Lutetium can be produced to meet specific customer requirements for calibration date
Expiry date	10 days after production
Radiochemical purity	≥ 99.0 % [¹⁷⁷ Lu]Lutetium as Lu ³⁺
Radionuclide purity	≥ 99.9 % [¹⁷⁵ Yb]Ytterbium ≤ 0.1 % [^{177m} Lu]Lutetium ≤ 0.07 % All other radionuclide impurities ≤ 0.01 %
Chemical purity	Fe: ≤ 0.5 µg/GBq Cu: ≤ 1.0 µg/GBq Zn: ≤ 1.0 µg/GBq Pb: ≤ 0.5 µg/GBq Yb: ≤ 0.5 µg/GBq
pH	1.0 - 2.0
Packaging	Max. 3 mL in a (3 mL) V-glass vial 10 mL in a 10R-glass flat bottom vial Closure with crimp cap and pharma-grade stopper
Endotoxins	< 20 EU/mL
Delivery time	Within 4 business days worldwide

Please Note

The product is not intended for use in humans and has not been registered as a pharmaceutical product.

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