

Lutetium-177

Always delivered on time. Available now worldwide.
Only from PerkinElmer.



Lutetium-177 radionuclide is now available from PerkinElmer for research and investigational use. Every lot of Lu-177 is quality tested to ensure consistent purity and activity.

Lutetium-177 is a radionuclide with exciting potential! Lu-177 is used in a similar manner as Yttrium-90; however it has slightly different advantages:

- **Shorter radius of penetration than Y-90**—makes Lu-177 an ideal candidate for radio-immunotherapy for smaller, soft tumors.
- **Both gamma and beta properties**—enabling it to be used in imaging studies, as well as for treatment.

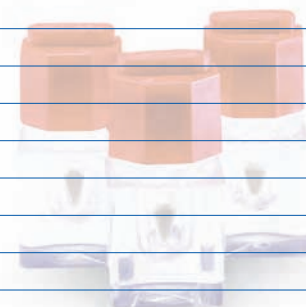
Through its worldwide distribution capabilities, only PerkinElmer can assure delivery of this isotope to many areas of the world soon after production. Through its manufacturing expertise, only PerkinElmer has the production capacity to meet your research needs.

Features and Benefits

- **Experienced radiochemicals supplier**—proven track record as a reliable and trustworthy supplier.
- **Worldwide distribution network**—Reliable, on-time delivery soon after production.
- **Weekly fresh lots with daily calibration schedule**—facilitates research planning and flexibility.
- **Convenient daily delivery**—next day in the U.S. and 2-3 days in Europe.
- **Carefully quality controlled**—ensures consistently high purity and low levels of contaminants.
- **NENSure™ vial packaging**—safe and secure; maximizes recovery of material while ensuring minimal personal exposure.
- **Technical data sheet with each shipment**—ready reference of lot specific information.

Product Specifications

Product Name:	Lutetium-177 (Lu-177)
Catalog Number:	NEZ307, NEZ307A, NEZ307B, NEZ307C
Fresh Lot:	Shipped every Wednesday; calibrated for Thursday (NEZ307), Friday (NEZ307A), Monday (NEZ307B), or Tuesday (NEZ307C)
Packaging:	Shipped in 2.2 mL NENSure™ vial with glass insert (optional 5 mL vial available)
Half-life:	6.71 days to Hafnium-177
Decay Mode:	Beta Max 0.5 MeV, Average Beta 0.13 MeV, Gamma 208 keV (11% abundance)
Chemical Form:	As Lutetium chloride in ~0.05 N HCl
Specific Activity:	Approximately 20 Ci/mg at production
Radiochemical Concentration:	3Ci/mL on day of production
Radionuclide Purity:	>99% Lu-177 at expiry (< 0.1% Lu-177m at expiry)
Chemical Purity:	µg of analyte/Ci of Lu-177:
	<100 µg/Ci Ca
	<40 µg/Ci Zn
	<30 µg/Ci Al
	<30 µg/Ci Cu
	<20 µg/Ci Fe
	<20 µg/Ci Pb
	Measurements are taken at time of production by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP/AES)



For laboratory use. A research chemical for research purposes only.

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