



[Home](#) [Our products](#) [Clie](#)

Lutetium 177 - LuMark® Lu-177 chloride

Under the brand name of LuMark®, Lutetium 177 is being produced on a weekly basis. With daily shipments to d Lu-177 has already established itself as the leading brand of Lutetium 177.

About GMP produced Lutetium 177

IDB Holland is the proud owner of fully GMP Lu-177 production facilities. Based in Baarle-Nassau in the Netherland LuMark® Lu-177 to countries all over the world.

GMP production facilities of Lutetium 177

The total production facilities of Lutetium 177 at IDB Holland consists of:

- 2 Class B GMP production laboratories
- 1 fully automated Class A production line
- 1 Class C quality control laboratory
- 1 Class B microbiology laboratory

The whole production and laboratory facilities are devised for the GMP production of Lutetium 177. In 2011 it was complies with GMP, EMEA and FDA regulations, being the only Lutetium 177 production facility that complies at the

Lu-177 specification sheet and GMP release certificate

With every delivery of Lu-177 customers will find a production sheet, a certificate of analysis and a GMP release c signed by designated officers that supply all important information in full compliance with regulations.

Packed according to IATA regulations for worldwide shipping

LuMark® Lu-177 is filled in specially designated vials with a rubber stopper and aluminum capping. These vials are transportation these lead boxes are again packed in carbon boxes meeting all regulations of IATA for worldwide shi



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Technical specifications and product characteristics of Lu-177

Lutetium 177 is a radiopharmaceutical precursor with specific characteristics. Lutetium in itself is a rare metal that always occurs as part of another mineral. Lutetium 177 is a radionuclide which means it is an atom with an unstable nucleus and radioactive isotopes. Through internal conversion or nuclear decay the excess energy of Lutetium 177 interacts with the process of radioactivity of Lu-177 marks its core benefits.

Lutetium, a lanthanide rare earth element

Lutetium is part of the family of 17 rare earth elements of which 15 are lanthanides. The name of Lutetium is derived from the name of Paris being Lutetia as its discoverer Georges Urbain was a professor at the Sorbonne in Paris in 1907 at the

Product specifications of LuMark® Lu-177

LuMark® Lu-177 stands out as the premium brand of fully GMP produced Lutetium 177. With a one-day order lead time IDB Holland's LuMark® offers the greatest flexibility to its customers.

Key data of Lu-177

Here you will find an overview of the key elements of LuMark® Lu-177:

Chemical form:

Lu tri-chloride (LuCl₃) in 0.05 M HCl Ph. Eur. In WFI

Molecular Formula:

¹⁷⁷Lu

Monoisotopic mass:

176.943756 Da

Physical Half Life:

6.65 days

Radiation β -(Emax in KeV):

175 (12,3%) 380 (9%) 497 (78,7%)

y (E in KeV): 208 (11%) 113 (6%)

Specific activity:

>500 GBq/mg

Activity concentration:

80 GBq/ml at activity reference time

LuMark®, a leading brand of Lutetium 177

IDB Holland is one of the world's leading manufacturers of Lutetium 177. IDB Holland's brand name LuMark® stand for Quality in production and testing, weekly availability, shipment worldwide and a high service degree in sales and a professional Holland's market approach.

Quality assured

LuMark® is being produced and packaged by one of the world's most sophisticated and fully automated manufacturing facilities in Holland in the Netherlands. Being the world's only fully GMP produced Lutetium 177 quality throughout the production process assured.

Secure packaging and shipping of Lu-177

LuMark® Lu-177 is available in 10 ml glass vials. All vials come with a rubber stopper and aluminum crimp cap. The worldwide shipping these boxes are again put in carbon boxes, fully complying with current IATA rules and regulations.



Worldwide shipping

LuMark® Lu-177 is being shipped to over 40 countries. From Europe to Australia and from Asia to the United States finds its way to professional customers all over the world. Every day LuMark® Lu-177 is leaving our plants in Baarle

1 day order deadline

Every Tuesday IDB Holland produces and packages LuMark® Lu-177. Within one day before production day customer supplies. This means high flexibility to our customers.

Pre calibration by request

As Lutetium 177 has a 6.65 physical half-life, LuMark® can by request supply Lu-177 from our extra stock after production to ensure a 100% quality product.

All documents enclosed

IDB Holland makes sure that all necessary documents for shipping and handling as well as all production sheets and every order of Lu-177.



"LuMark® Lu-177 provides its customers a weekly availability in Lutetium 177 and daily worldwide distribution and daily calibration by request."

For detailed information see SmPC.

[Go to this page to download the LuMark® SmPC in your language.](#)

Get in touch with our Sales Team

If you are in need of any further information regarding LuMark® Lutetium 177 and our worldwide service as a lead contact us at sales-IDB@adacap.com.

Contact Information

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