The ideal source for high-energy beta emitting $^{188}\text{Re}$
**188Re for Short-range Irradiations**

High-energy beta emitting Rhenium-188 has a half-life of 16.98 h and is a generator produced radioisotope for research purposes. 188Re is obtained by eluting the 188W/188Re Generator which, with a long shelf-life of several months, ensures the continuous on-demand availability of no-carrier-added (n.c.a.) 188Re.

The 188W/188Re Generator as a research tool, a proprietary development of ITG GmbH, is based on an alumina column and offers the highest activity concentration (>5 GBq/ml) for short-range irradiations. The long-living mother radionuclide 188W is adsorbed on the column material while the daughter radionuclide 188Re is selectively eluted from the generator with sterile isotonic solution which enables its use directly as a high dose liquid radioactive source for radiolabeling reactions.

**KEY ADVANTAGES**

- Obtainable 188Re activity more than 100 GBq
- Small elution volume (<10 ml)
- Elution yield 80%
- High activity concentration (>5 GBq/ml) of the generator eluate
- Low 188W breakthrough (<0.001 %)
- Easy to operate

This product is for laboratory research purposes only

**Produced by ITG. A company of the ITM Group.**

**About ITM Group**

ITM Isotopen Technologien München AG is a privately held group of companies dedicated to the development, production and global supply of innovative diagnostic and therapeutic radionuclides and radiopharmaceuticals.

ITM’s main objectives are to significantly improve outcomes and quality-of-life for cancer patients while at the same time reducing side-effects and improving health economics through a new generation of targeted radionuclide therapies in precision oncology.

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