



## iQS-TS

Fully automated Theranostics Synthesizer for radiolabeling of targeting molecules.

## iQS-TS is a fully automated cassette-based Theranostics Synthesizer facilitating the routine preparation of radiolabeled targeting molecules.

The computer controlled iQS-TS module employs predefined labeling protocols for GMP-compliant production of radiolabeled targeting molecules like peptides, antibodies, small molecules or hormones, addressing a wide range of targets such as somatostatin receptors, prostate-specific membrane antigen, bone tissue, bombesin receptors or integrins.

User friendly click'n'start cassettes and reagent sets facilitate intuitive and convenient radiolabeling. The consumables are equipped with RFID tags for automated recognition and reporting of component status (Lot., Expiry) and GMP documentation. In addition to our standard equipment customized solutions can be offered.

### Various diagnostic and therapeutic radionuclides can be used:

- Lanthanides ( $^{177}\text{Lu}$ ,  $^{161}\text{Tb}$ ,  $^{153}\text{Sm}$ ,  $^{166}\text{Ho}$ )
- Actinides ( $^{225}\text{Ac}$ ) as well as
- $^{68}\text{Ga}$ ,  $^{90}\text{Y}$ ,  $^{44}\text{Sc}$ ,  $^{111}\text{In}$ ,  $^{213}\text{Bi}$ , among others

The production of radiopharmaceuticals with the iQS-TS complies with current GMP standards. The module offers simple and intuitive software guided handling, fast production and a convenient filter integrity test. To match clean room conditions hygienic design standards have been applied. An automated self-check takes place prior to each synthesis. Real-time control and visualization

of synthesis steps include volume, temperature and activity control (smart radiochemical yield prediction). Despite all its capabilities the iQS-TS features an extremely small footprint of only 27 x 22 x 18 cm without any additional components or installation requirements, like gas supply.



## KEY ADVANTAGES

- Extremely compact module for GMP production (RFID tag tracking system, detailed protocol, real-time control)
- GMP grade chemicals
- $^{68}\text{Ga}$ -labeled targeting molecules in only 17 minutes (entire synthesis)
- Convenient handling of cassette and chemicals
- Remote support

Take advantage of our one-stop-shop offering: Get all components and services from one supplier!



Radioisotopes +  
Targeting Molecules



iQS® Ga-68 Fluidic  
Labeling Module

iQS-Theranostics  
Synthesizer



Reagent Sets + Cassettes



Quality Control Solution

PRECISELY FOR ME.



## PRECISELY FOR YOU.

- ✓ time saving in daily routine
- ✓ outstanding performance
- ✓ compact size



### About the ITM Group

ITM, a radiopharmaceutical biotech company, is dedicated to providing the most precise cancer radiotherapeutics and diagnostics to meet the needs of patients, clinicians and our partners through excellence in development, production and global supply. With patient benefit as the driving principle for all we do, ITM is advancing a broad pipeline combining its superior radioisotopes with targeting molecules to create precision oncology treatments. ITM is leveraging its leadership and nearly two decades of radiopharma expertise combined with its worldwide network to enable nuclear medicine to reach its full potential for helping patients live longer and better.

### Your contact:

Phone: +49 89 329 8986-6000  
Email: [info@itm-radiopharma.com](mailto:info@itm-radiopharma.com)  
Web: [www.itm-radiopharma.com](http://www.itm-radiopharma.com)  
ITM Isotope Technologies Munich SE  
Lichtenbergstrasse 1  
85748 Garching/Munich, Germany

Produced by  
**ITM Medical Isotopes GmbH.**

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