



# 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 addressing a wide range of targets such as somatostatin receptors, prostate-specific membrane antigens, 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, etc.) and GMP documentation. In addition to our standard equipment, customized solutions can be offered.

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 observe 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 without any additional components or installation requirements, like gas supply.



This illustration shows the application with a Generator and a Gallium cassette



### KEY ADVANTAGES

- Extremely compact module for GMP production (RFID tag tracking system, detailed protocol, real-time control)
- Only 17 minutes for entire synthesis of <sup>68</sup>Ga-labeled targeting molecules
- Convenient handling of cassettes
- Reagents are available in GMP-Grade
- Technical on-site service as well as remote support

Incorporated filter integrity test ensuring sterility of the final product



Color-coded vials and cassette for error-free and timesaving handling



Get all components and services from one supplier!



Radioisotopes + Targeting Molecules



iQS-Theranostics Synthesizer



Quality Control Solution



iQS® Ga-68 Fluidic Labeling Module



Reagent Sets + Cassettes

# PASSION FOR PRECISION



## TECHNICAL SPECIFICATIONS

Supported Radionuclides	Ga-68, Lu-177, Y-90
Dimensions	266 × 177 × 215 mm 10.47 × 6.97 × 8.49 in
Syringe Actuator	Amount:1 Position and Pressure Control
Heater (Reactor)	Amount: 1 Reaches up to 120°C
Activity (Gamma) Detector	Amount: 2 Range: 511 KeV (0.1:1000 MCi), (0.004:37 MBq)
Rotary Actuator	Amount: 9 Electronically Controlled
Additional External Components	- Syringe Actuator - Heater - Activity (Gamma) Detector - DI/DO Connection
Weight	7.5 Kg

### About the ITM Group

ITM, a leading radiopharmaceutical biotech company, is dedicated to providing a new generation of radiomolecular precision therapeutics and diagnostics for hard-to-treat tumors. We aim to meet the needs of cancer patients, clinicians and our partners through excellence in development, production and global supply. With improved patient benefit as the driving principle for all we do, ITM advances a broad precision oncology pipeline, including two phase III studies, combining the company's high-quality radioisotopes with a range of targeting molecules. By leveraging our nearly two decades of pioneering radiopharma expertise, central industry position and established global network, ITM strives to provide patients with more effective targeted treatment to improve clinical outcome and quality of life.

### Our contact

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