



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}Lu , ^{161}Tb , ^{153}Sm , ^{166}Ho)
- Actinides (^{225}Ac) as well as
- ^{68}Ga , ^{90}Y , ^{44}Sc , ^{111}In , ^{213}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}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 Isotopen Technologien München AG is a privately owned biotechnology and radiopharmaceutical group of companies dedicated to the development, production and global supply of targeted diagnostic and therapeutic radiopharmaceuticals and radioisotopes for use in cancer treatment. ITM's main objectives are to significantly improve the treatment outcome 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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