



RADIOLABELING & QUALITY CONTROL EQUIPMENT

iQS-TS

A fully automated Theranostics Synthesizer for radiolabeling of 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 radioisotopes 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



iQS[®] Ga-68 FLUIDIC LABELING MODULE

Compact, self-shielded system for fast, reliable and convenient preparation of ⁶⁸Ga-labeled PET tracers

iQS[®] is a self-shielded labeling module that allows use without a hot cell. Take advantage of the iQS[®] to receive ⁶⁸Ga-labeled targeting molecules without an extensive investment in laboratory infrastructure. Using the iQS[®] leads to labeling yields exceeding 80 % in only 15 minutes.

Benefit from our one-stop-shop philosophy which offers labeling modules, generators, ready to use GMP grade chemicals, cassettes and targeting molecules, such as PSMA and DOTATOC.

KEY ADVANTAGES

- Self-shielded and cost effective solution – no hot cell required
- Compact and easily portable
- Easy to operate with GMP grade consumables
- Outstanding price-performance ratio



QUALITY CONTROL SOLUTION

Fully integrated HPLC configuration for radiopharmaceutical analysis

The Quality Control Solution radio-HPLC is a state-of-the-art configuration for the analysis of radiolabeled targeting molecules according to Ph. Eur./USP standards.

With an integrated quaternary HPLC pump, UV/VIS and radio detectors, together with the latest Chromstar workstation, the Quality Control Solution is a first-in-class radio-HPLC technology in an extremely compact design.

KEY ADVANTAGES

- Stand alone, fully integrated system
- Half-life correction
- Built-in, fully shielded radiodetector and column
- Adjustable sensitivity for different radioisotopes

Sharing the expertise, providing excellent service

Together with the radio-HPLC, we provide our extensive expertise in the field of radiopharmaceutical manufacturing. Additionally we offer a full installation, qualification and full service package. Our service includes personalized hands-on training, troubleshooting and maintenance, along with method optimization and validation.

In addition our standard delivery already contains all components needed for full operation, such as glass bottles for solvents, filters, RP-column, tubings and important spare parts including the tools and micro syringe for manual injection.

The central unit is equipped with a heating section and a fully shielded column compartment. These features provide excellent reproducibility and simplified handling of radioactivity according to ALARA principle.



Upon request the standard configuration can be upgraded or modified according to your specific requirements (e.g. autosampler, column switching valve, different detectors).

REAGENT SET FOR MANUAL ^{177}Lu LABELING

An attractive and cost-effective solution for easy and convenient preparation of ^{177}Lu labeled targeting molecules

The Reagent Set includes all necessary items* for manual labeling: Reagents, filters, syringes and needles. With our ready-to-use Reagent Set the labeling of various targeting molecules (e.g. PSMA, DOTATOC) is easy and cost saving and requires

only a few minutes. The Reagent Set is produced under GMP conditions according to the ICH Q7 and is designed for EndolucinBeta[®] (n.c.a. ^{177}Lu chloride) activities of up to 40 GBq.

KEY ADVANTAGES

- Time and cost saving
- Easy and convenient
- Ready to use chemicals
- Labeling instructions upon request

* Targeting molecule not included



All You need in just „One Stop“

We offer the optimal equipment for on-site preparation and quality control of radiolabeled targeting molecules in clinics.

Benefit from our “one-stop-shop” philosophy and the convenience of receiving all necessary tools from one reliable supplier.

Please contact our Sales Team, if you need any further information or visit our website and discover product videos and product-specific brochures.

Email: sales@itm.ag

Phone: +49 89 329 8986 600

Website: www.itm.ag



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

Web: www.itm-radiopharma.com

ITM Isotope Technologies Munich SE

Lichtenbergstrasse 1

85748 Garching/Munich, Germany

Produced by

ITM Medical Isotopes GmbH.

**A company
of the ITM Group.**

itm