

The cassette

The synthesis cassettes are assembled under GMP-compliant clean room conditions and sterilized with gamma-radiation (validated process) according to AAMI TIR33/ISO 11137. They come with all consumables necessary for the specific synthesis and have been tested for suitability. Each cassette is labeled with an individual barcode. After scanning the barcode with a barcode reader the system compares cassette ID with the synthesis project parameters to make sure the cassettes are only used with the corresponding synthesis project. This feature helps to support the GMP conform production of radiopharmaceuticals and ensures the use of the correct cassette.



Sterile and disposable cassettes, verifiable by barcode reader ensure compatibility of cassette and project

Click'n'start technology: Mount the cassette and start the production!



Got ⁶⁸Ga?

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About us

The Radiopharma business segment is specialized in the field of molecular imaging and nuclear medicine supplying different radiopharmaceuticals, radiochemicals and related equipment for the synthesis and radiochromatography of PET/SPECT tracers and other radioisotopes. We bundle resources, expertise, technologies and products and are thus able to meet the challenges in this promising and fast-developing field.

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Modular-Lab
eazy



Got ⁶⁸Ga?

Minimum Space. Maximum Efficiency.

 Eckert & Ziegler

The system

Dimensions of synthesizer: 201 x 227 x 101 mm (W x D x H)
incl. synthesis cassette with tubing: 201 x 227 x 220 mm (W x D x H); Weight: 1.8 kg

Modular-Lab easy works with a technology that uses pressure differences to transfer the reagents. The system generates its own pressure and operates independently of external pressure supply. The synthesizer comes with a completely new and innovative cassette design which makes the handling as easy as never before. By just clicking in the synthesis cassette all pressure supplies are connected automatically. After connecting the generator and adding the reagents, the complete synthesis works without user interaction. The process can be monitored via the intuitive user interface. The software is based on the established and reliable Modular-Lab Software complying with the highest standards of GMP (annex 11 for computerized systems), GAMP 5, 21 CFR 210/211 cGMP and 21 CFR part 11 regulations.

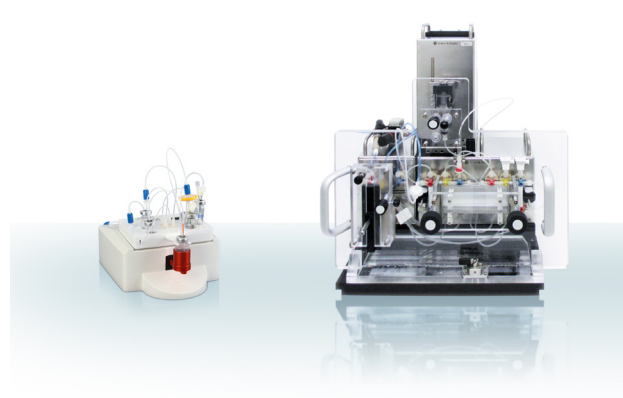


Key features

- Smallest radiosynthesizer on the market - one module with complete functionality
- Short synthesis time and easy handling
- High yield and high radiochemical purity
- Highest product quality using sterile and disposable synthesis cassettes
- Pre-defined software template with easy-to-operate user interface
- Further tracers are under development

**Actual footprint of Modular-Lab easy*

The lab



Modular-Lab easy in comparison to Modular-Lab PharmTracer

Your Modular-Lab easy package includes

- Modular-Lab easy synthesizer
- Electrical cabinet
- Peristaltic pump
- Laptop
- Software
- Barcode reader
- Variety of templates

„With the Modular-Lab easy module, Eckert & Ziegler developed a very small and compact radiosynthesis module. Combined with the NaCl based labeling procedure and the easy to use cassette based synthesis unit, it allows a fast synthesis and a high throughput production of ^{68}Ga labeled radiopharmaceuticals in the clinical practice.“

PhD Michael K. Schultz, Department for Radiochemistry, University of Iowa
 Dr. Dirk Müller, Zentralklinik Bad Berka, Germany



Modular-Lab easy in comparison with a ballpoint pen



Modular-Lab easy with cassette and barcode reader

Ideal accessories

Eckert & Ziegler offers different ^{68}Ga generators. The GalliaPharm® $^{68}\text{Ge}/^{68}\text{Ga}$ generator is registered as a medicinal product in several European countries. Furthermore, Eckert & Ziegler Radiopharma GmbH is holder of a Type II Drug Master File (#28741) in the USA and a Type I Master File (#2018-135) in Canada. The generator fulfills the requirements of the monograph 'Gallium chloride solution for radiolabelling' in the European Pharmacopoeia.



IGG100 $^{68}\text{Ge}/^{68}\text{Ga}$ generator is a chemical grade product and not intended for use in humans. It has not been validated as a pharmaceutical product.



Our state-of-the-art radiochromatography equipment is the perfect complement for the ML easy package. The highly flexible quality control devices include TLC, HPLC and a wide range of detectors and therefore ensures highest product quality.

- Pre-validated syntheses available for ^{68}Ga -DOTA conjugated peptides and PSMA* as well as for ^{90}Y - and ^{177}Lu -DOTA conjugated peptides and PSMA*
- Supply of Yttriga (sterile [^{90}Y]Yttrium chloride solution)
- Filter test module
- Multi Generator Elution tool - for the elution of up to three generators

* different PSMA compounds for diagnosis and therapy available

Modular-Lab easy has been validated with the Eckert & Ziegler generators. For optimal results we recommend to use only our system and accessories.