KitLab

The smartest solution for kit labeling



KitLab

Automated and user-friendly stand-alone device for safe processing of PET kits.

Background

The growing availability of ready to use kits on the market increases the potential of manual handling errors and the risk of high radiation exposure to the operator.

With the KitLab system, Eckert & Ziegler Eurotope GmbH offers an automated solution to improve the reproducibility of results, to protect users from unnecessary exposure and to facilitate synthesis and formulation. The use of defined tools for each kit combined with a fast user setup and easy handling allows a more efficient work schedule and makes the KitLab system very reliable.

Functionality

After connecting the KitLab device to the standard socket outlet, putting the RFID card in place and inserting the cassette, the system is ready for use. For the transfer of liquids KitLab uses the established and well proven peristaltic pump with four independently programmable channels. In addition to performing automated handling of registered kits the device offers the possibility to start a program with time delay function to allow an automatic pre-elution at a scheduled date and time.

Easy data management and storage

The cassettes are delivered with an RFID card that contains important information for the batch report. All data will be gathered via the RFID card reader and the optional barcode scanner to be stored on the device itself. The data is combined in one batch report which can be directly printed with the optional label printer. To secure GMP-compliant data storage, batch data is subsequently stored on the internal SD card and additionally on the cassette-specific RFID card. All batch data can be accessed at any time.

Small, sterile and double packed cassettes

All cassettes are assembled under GMP-compliant clean room conditions and sterilized with gamma-radiation. They come, depending on the application, with needle-free connections, color coding or V-vials. All features are meant to prevent incorrect use and to facilitate the preparation process. The cassettes are delivered with all further necessary consumables.

Features at a glance

- User-friendly application selection via RFID card
- Stand-alone device; no PC or EC needed
- Very small footprint
- Radiation protection - reduction of radiation exposure to the operator (ALARA)
- Handling according to registration guidelines, IFU, SmPC
- Automated, sterile QC sampling and sterile filtration (optional)
- Pre-elution function; delayed start
- Automated/controlled elution of generator
- Recording/calculation of remaining generator activity
- Easy and fail-free insertion of cassette

Adaptable and upgradeable for future use

The KitLab system is intended for the formulation of licensed PET kits. It can furthermore be used for a synthesis with ^{68}Ga-HBED-PSMA including pre- and post-purification steps.

Customizable setup

The programming of KitLab is performed by Eckert & Ziegler. If you wish to customize your device with a special application get in touch using the contact details overleaf.

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Cassettes are available for the following applications:

Cassettes for KitLab	Article No.
Synthesis of [^{68}Ga]PSMA-11	CP-GA-PSMA11
Formulation of SomaKit TOC® and NETSPOT®	CP-GA-NOV0101
Formulation of Locametz	CP-GA-LOM
Predefined elution of the [^{68}Ga] generator	CP-PRE-ELUTION

Technical features

Dimensions (W x D x H)	170 x 280 x 270 mm
incl. holder plate & power adapter	340 x 280 x 270 mm
Weight	3.5 kg
Power supply	Power supply unit 230V / 110V
Data storage	SD card

Components

The KitLab system comes with a large number of components to facilitate your daily routine production with licensed kits.

Printer	connected via RS232 port, adhesive label size 50 x 100 mm
Barcode scanner	connected via RS232 port, QR code legible
Activity shielding containers	15 mm lead, different inserts for various vials (tungsten shielding containers available upon request)
Heater	
Pre-elution cassette	

Eckert & Ziegler Eurotope GmbH

Robert-Rössle-Strasse 10
13125 Berlin
Germany
Phone: +49 30 941084 197
Fax: +49 30 941084 470

medical@ezag.de
www.medical.ezag.com

Your contact in USA & Canada:
Eckert & Ziegler Radiopharma, Inc.

25 Upton Drive
Wilmington, MA 01887
USA
Phone: + 1 508 497 0060
Fax: + 1 508 497 0061

InfoRAU@ezag.com
www.medical.ezag.com

Australian Distributor

Imaxeon Pty ltd
ABN 93 093 950 906
Unit 1, 38 - 46 South Street,
Rydalmere, NSW 2116

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