

Explora FDG₄

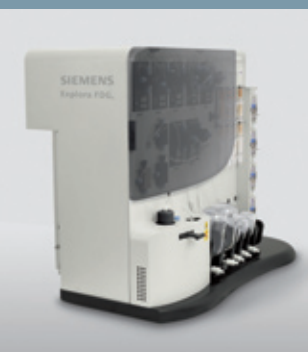
The Siemens family of radiochemistry modules offers a comprehensive line of products for efficient PET compound preparation. All modules are computer controlled using a graphical user interface, offering both convenience and flexibility.

Designed to meet the reliability and efficiency demands of the high-volume FDG distribution center, the Explora FDG₄ can produce four sequential FDG runs with a single setup. Operator interaction with the module is minimal, and with just a 20-minute setup, the Explora FDG₄ is ready for multiCurie FDG production.

The system utilizes a single closed reaction vessel and a vessel heater system that operates two separate zones. Each zone is heated or cooled independently. Radiochemical yield is typically >65%, and synthesis is typically <45 minutes.

Features

- Performs up to 4 sequential runs of FDG without intervention
- Accepts up to 9 Ci (333 GBq) of ¹⁸F-F⁻
- No measuring of reagents (kit ready)
- Novel recipe building software for customized chemistry
- Provides rich user feedback comprehensive monitoring of synthesis steps through five radiation detectors (one at each trap and release column and one at the reaction vessel), an infrared feedback on reaction vessel temperature, and a reaction vessel pressure gauge.
- High uptime for busy production sites:
Mean Time To Repair (MTTR) is less than 2 hours
- Remote diagnostic capability
- Automatic self-cleaning
- Minimal custom parts (uses conventional disposable glassware)
- Supports recovery of ¹⁸O Water



Automated Radiochemistry

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Typical System Performance

Yield of synthesis (decay corrected to EOB)	> 65%
Set-up time	< 20 minutes
Synthesis time	≤ 45 minutes
Clean up time	< 35 minutes

Dimensions

Width	24 in (61 cm)
Depth	14 in (36 cm)
Height	19 in (48 cm)
Weight	150 lbs (68 kg)

The automated chemistry modules are delivered as laboratory equipment for the production of radiochemicals. No claim is made as to the suitability for human use of the products made with these modules. It is the exclusive responsibility of the user to determine if such products can be used for human subjects according to local and federal regulations, and Siemens disclaims all responsibility in this respect.

ISO 13485 certified, meeting internationally recognized quality standards for good manufacturing practices.

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Siemens reserves the right to modify the design and specifications contained herein without prior notice. Product performance depends on the choice of system configuration.

Please contact your local Siemens sales representative for the most current information or contact one of the addresses listed below.

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