NEPTIS® DB



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THE NEPTIS® DB IS AN INNOVATIVE SYNTHESIZER FOR THE AUTOMATED PRODUCTION OF AN EXTENSIVE VARIETY OF [18F] FLUORIDE BASED RADIOTRACERS VIA NUCLEOPHILIC SYNTHESIS WHICH DOES NOT NEED HPLC PURIFICATION.

APPLICATIONS

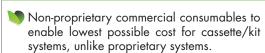
Current VIRTUAL SYNTHESIZER® Applications List of available molecules

[18F] Compounds	Therapeutics	Diagnostic
(Kit only)	[177Lu]Lu-compounds	[68Ga]Ga-DOTA-NOC
[18F]F-Acetate		[68Ga]Ga-DOTA-TATE
[18F]F-Choline		[68Ga]Ga-DOTA-TOC
[18F]FDG (single run)		[68Ga]Ga-HBED-PSMA
[18F]FDG (dual run)		
[18F]FDGal		
[18F]FES		
[18F]FET		
[¹⁸ F]FDopa		
[18F]FLT		
[18F]FMISO		
[18F]NaF		
[18F]PSMA-1007		

SOFTWARE

The NEPTIS® software is a web browser based application making it the most evolutionary software for automated synthesizers. Programmed in HTML5 and Java™ under a Linux OS based computer hardware it provides more reliability and flexibility to its end-user (i.e. several modules can be controlled by one computer making it more efficient and productive).

NON-PROPRIETARY CASSETTES





REQUIREMENTS

Power supply	100/240V AC, 50-60 Hz
Compressed air	6 to 8 bars
Nitrogen	3 to 8 bars

ON-THE-GO DEVELOPMENT

NEPTIS® synthesizer is delivered with a complete software package

- NEPTIS® Control allows the user to visualize all of the pertinent information of a synthesis in real-time.
- **NEPTIS®** Designer is a stand alone software which allows the development of molecules or the modification of one.
- NEPTIS® Trending is an indispensable tool for analysis of data production runs with additional functionalities of key parameters (i.e. calibration, maintenance log, et al.).

INNOVATION

- **WNE** system NEPTIS® DB is equipped with the exclusive patented WNE® technology: 3-positions pneumatic actuators. Only pneumatic pressure is required; unlike electrically driven actuators, there is no need for any electronic logic control system which is susceptible to radiation, providing an unmatched reliability.
- **Electronics** The CPU is installed outside of the machine making its reliability exclusive and preserving it from radiation damages.
- Pneumatic pinch valves

 New pinch valves technology are integrated in the NEPTIS® DB. Smaller, stronger and more reliable (piston moves with air pressure).

GMP COMPLIANT

Ensuring a smooth integration into your Quality Assurance program

ORA is ISO13485 certified since 2014. All NEPTIS® documentation meets strict GMP regulations and requirements. Moreover, NEPTIS® Software is 21CFR Part 11 compliant and all NEPTIS® products (automated synthesizers) follow and apply GAMP5 guidelines.

SPECIFICATIONS

- 3 ramps of 5 pneumatic actuators with 3 positions each
- 3 rad detectors (+1 optional)
- 3 syringe drivers (30 mL and 10/3 mL)
- 1 reactor oven (+1 optional)
- 4 pinch valves with pneumatic technology
- Sensors for vacuum, flow and pressure

HOTCELL COMPATIBILITY

Up to 2 NEPTIS® DB can be installed into one single mini-cell.

DIMENSIONS

W x H x D 560 x 240 x 400 mm 22.0 x 9.4 x 15.7 in

Weight 28 kg | 61 lbs

The above features are not restrictive. For further information call +32 (0)71 61 38 23 or email us at questanswered@oradiochem.eu. We are pleased to help. We reserve the right to discontinue or change specifications or design at any time without prior notice and without incurring any obligation whatsoever.