NEPTIS® LC



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INEPTIS® LC



THE NEPTIS® LC WAS ORIGINALLY DESIGNED FOR [18F]FLUORIDE-BASED COMPOUNDS PRODUCTIONS. THE SMALLEST AND MOST VERSATILE OF NEPTIS® PLATFORMS HAS PROVED TO BE THE BEST PLATFORM FOR PRODUCING THERAPEUTIC AGENTS. (IF COUPLED WITH THE NEPTIS® SP MODULE, IT HAS THE POSSIBILITY TO PERFORM HPLC PURIFICATION MOLECULES.

THE NEPTIS® LC IS AN INNOVATIVE SYNTHESIZER FOR THE AUTOMATED DEVELOPMENT AND PRODUCTION OF AN EXTENSIVE VARIETY OF RADIOISOTOPES AND RADIO-THERAPEUTICAL MOLECULES USING VARIOUS ISOTOPES.

APPLICATIONS

Current VIRTUAL SYNTHESIZER® Applications List of available molecules

[18F] Compounds (Kit only)	Therapeutics	Diagnostic
[18F]F-Acetate	[89Zr]	[68Ga]Ga-DOTA-NOC
[18F]F-Choline	[90Y]	[68Ga]Ga-DOTA-TATE
[¹⁸ F]FDG	[131]	[68Ga]Ga-DOTA-TOC
[18F]FES	[177Lu]	[68Ga]Ga-HBED-PSMA
[18F]FET	[188Re]	[^{99m} Tc]
[18F]FLT	[²²⁵ Ac]	
[¹⁸ F]FMISO		
[18F]NaF		
[18F]FDGal		

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).

REQUIREMENTS

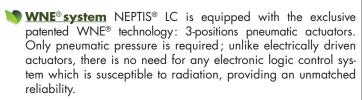
Power supply	100/240V AC, 50-60 Hz
Compressed air	6 to 8 bars
Nitrogen	3 to 8 bars

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



<u>Electronics</u> The CPU is installed outside of the machine making its reliability exclusive and preserving it from radiation damages.

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)
- 1 syringe driver (10 mL)
- 1 reactor oven (+1 optional)
- Sensors for vacuum, flow and pressure

HOTCELL COMPATIBILITY

Up to 3 NEPTIS® LC can be installed into one single mini-cell.

DIMENSIONS

W x H x D 280 x 240 x 400 mm 11.0 x 9.4 x 15.7 in Weight 20 kg | 44 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.