

NEPTIS® LC

THE SPACE SAVER



Ora

an ISO13485 certified company



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
[18F]FDG	[131I]	[68Ga]Ga-DOTA-TOC
[18F]FES	[177Lu]	[68Ga]Ga-HBED-PSMA
[18F]FET	[188Re]	[99mTc]
[18F]FLT	[225Ac]	
[18F]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

WNE® system NEPTIS® LC 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.

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.