

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](mailto: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.