NEPTIS® PERFORM

BEYOND REACTOR AND VALVES
TO THE SOUL
OF CHEMISTRY

From pump   To column   Overflow   From kit

From column   To reform

Ora
an ISO13485 certified company

NEPTIS® PERFORM

THE NEPTIS® PERFORM IS AN INNOVATIVE SYNTHESIZER FOR THE AUTOMATED PRODUCTION OF THE LARGEST RANGE OF [¹⁸F] FLUORIDE BASED RADIOTRACERS VIA NUCLEOPHILIC SYNTHESIS.

APPLICATIONS

Current VIRTUAL SYNTHESIZER® Applications
List of available molecules

[¹⁸F] Compounds		Diagnostic
(Kit only)	(HPLC)	
[¹⁸F]F-Acetate	[¹⁸F]Fallypride	[⁶⁸Ga]Ga-DOTA-NOC
[¹⁸F]F-Choline	[¹⁸F]Faza	[⁶⁸Ga]Ga-DOTA-TATE
[¹⁸F]FDG	[¹⁸F]FHBG	[⁶⁸Ga]Ga-DOTA-TOC
[¹⁸F]FDGal	[¹⁸F]MPPF	[⁶⁸Ga]Ga-HBED-PSMA
[¹⁸F]FES		
[¹⁸F]FET	Advanced tracers (Alzheimer...)	
[¹⁸F]FDopa		
[¹⁸F]FLT		
[¹⁸F]FMISO		
[¹⁸F]NaF		
[¹⁸F]PSMA-1007		
[¹⁸F]SFB		
Optional : [¹⁸F]FDG Dual Run		

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

- Non-proprietary commercial consumables to enable lowest possible cost for cassette/kit systems, unlike proprietary systems.
- Manifolds available in polysulfone or polypropylene materials (DMSO and DMF resistant).
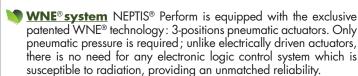
REQUIREMENTS

Power supply	100/240V AC, 50-60 Hz
Comp. air / Nitrogen	6 to 8 bars / 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® Perform 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.

SPE REFORMULATION

- Built in actuators (5)
- Dedicated HF/LF /Vac supply
- Dedicated waste pathway

HPCL CAPABILITY

HPLC drawer ready for HPLC connection
- 1 HPLC injection valve
- 1 rad detector (sensitivity < 2mCi)
- HPLC pathways

UV/PUMP

- MWD (Multiple Wavelength Detector) UV detector with optical fibers (to protect electronics from radiation).
- HPLC isocratic pump fully controlled by NEPTIS® software (Optional : quaternary HPLC pump).

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

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

HOTCELL COMPATIBILITY

The NEPTIS® Perform can be installed in any shielded standard size hotcell (i.e. W620 x H530 x D460mm).

DIMENSIONS

W x H x D	560 x 420 x 400 mm
	22.0 x 16.5 x 15.7 in
Weight	38 kg	84 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.

Ora