

# NEPTIS® DB/RS



## PACK AND STACK AND DO IT BETTER TWICE



**Ora**

an ISO13485 certified company



THE NEPTIS® DB AND RS ARE INNOVATIVE SYNTHESIZERS FOR THE AUTOMATED PRODUCTION OF AN EXTENSIVE VARIETY OF [<sup>18</sup>F] FLUORIDE BASED RADIOTRACERS VIA NUCLEOPHILIC SYNTHESIS WHICH DOES NOT NEED HPLC PURIFICATION.

## APPLICATIONS

Current VIRTUAL SYNTHESIZER® Applications  
List of available molecules

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

- 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
Compressed air	6 to 8 bars
Nitrogen	3 to 8 bars

## 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

## 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 and NEPTIS® RS are 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 is integrated in the NEPTIS® DB and in the NEPTIS® RS. 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.

## HOTCELL COMPATIBILITY

Up to 2 NEPTIS® DB or RS 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](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.