



RADIO
PHARMA
SOLUTIONS

ORA

NEPTIS[®] LC

The Modular Platform for
Therapeutic Agents



NEPTIS® LC supports the development and production of an extensive variety of radioisotopes and radiotherapeutic molecules. It enables laboratories to run multiple isotopes on a single platform, covering small molecules, nanobodies, and nanoparticles, while ensuring consistent day-to-day operations.

HPLC-READY FOR ADVANCED WORKFLOWS

When HPLC purification is required, NEPTIS® LC can be paired with NEPTIS® SP. Control is fully integrated into the software, allowing HPLC injection and SPE reformulation in a single guided sequence. Sensor-based automation can further support purification workflows, ensuring high process reliability.

COMPACT FOOTPRINT

NEPTIS® LC is the smallest and most versatile of NEPTIS® platforms. Three modules can be stacked in a single mini-cell to increase capacity and enable consecutive runs without operator intervention.

ROBUST DESIGN

NEPTIS® LC is equipped with the WNE® technology, a three-position pneumatic actuator system that provides precise and repeatable control of all in-cell operations. To protect radiation-sensitive electronics, the CPU is installed outside the hot cell. These design choices reduce failure points and maximize system uptime.

GMP COMPLIANCE

ORA is ISO13485 certified since 2014. NEPTIS® documentation meets strict GMP regulations and requirements. The software is 21CFR Part 11 compliant and all NEPTIS® products follow and apply GAMP5 guidelines.

AVAILABLE RADIOTRACERS AND RADIOISOTOPES [non-exhaustive]

[¹⁸ F] Compounds	Diagnostic	Therapeutics
Specific process capability: [¹⁸ F]F-Acetate [¹⁸ F]FDG [¹⁸ F]FES [¹⁸ F]FLT [¹⁸ F]NaF [¹⁸ F]F-Choline [¹⁸ F]FDGal [¹⁸ F]FET [¹⁸ F]FMISO	Specific process capability: [⁶⁸ Ga]Ga-DOTA-NOC [⁶⁸ Ga]Ga-DOTA-TATE [⁶⁸ Ga]Ga-DOTA-TOC [⁶⁸ Ga]Ga-HBED-PSMA [^{99m} Tc]	Specific process capability: [⁸⁹ Zr] [⁹⁰ Y] [¹³¹ I] [¹⁷⁷ Lu] [¹⁸⁸ Re] [²²⁵ Ac] [⁶⁷ Cu] [⁶⁴ Cu]

ON-THE-GO DEVELOPMENT

The synthesizer is delivered with a complete software suite:

- NEPTIS® Control provides real-time visualization of synthesis data.
- NEPTIS® Designer is a stand-alone software for molecule development or modification.
- NEPTIS® Trending supports production data analysis and key parameter monitoring (e.g. calibration, maintenance logs).

SPECIFICATIONS

- 3 ramps of 5 pneumatic actuators (3 positions each)
- 3 rad detectors (+1 optional)
- 1 syringe driver (10 ml)
- 1 reactor oven (+1 optional)
- Sensors for vacuum, flow and pressure

REQUIREMENTS

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

DIMENSIONS

280 x 240 x 400 mm | 11.0 x 9.4 x 15.7 in (w x h x d)
20 kg | 44 lbs

