



ALLINONE mini

THE THERANOSTIC SYNTHESIZER

The synthesizer for diagnostic and therapeutic radiotracers

Small footprint

Full automation

Matches with all generators

Labelling of radiometals

As easy to use as a coffee machine



LEADING THE WAY IN RADIOPHARMACY



ROUTINE PRODUCTION

miniAllinOne is the best choice for easy and reliable routine delivery of radiopharmaceuticals thanks mainly to:

- Full automation
- Processes compatible with all ^{68}Ga generators
- Ready for use consumables
- Proven usage with ^{68}Ga , ^{177}Lu , ^{18}F

This platform allows radiotracers labelled with ^{18}F , ^{68}Ga , ^{177}Lu , $^{99\text{m}}\text{Tc}$, ^{89}Zr , ^{64}Cu , ^{90}Y , ^{188}Re , ^{203}Pb to all be prepared with the same instrument.

A range of dedicated table-top and wheel-mounted compact hot cells ensures a perfect protection and ergonomic working condition.

READY TO USE CONSOMMABLES

Cassettes and reagents for each tracer are available for miniAIO. The comprehensive reagent kits avoid the need of sourcing consumables from several suppliers. Cassettes are GMP manufactured and are provided in individually sealed pouches, full assembled and ready to use. The RFID chip scanner system avoid manual transcription mistakes and warrants operators to work with the right reagents kits.

Subsequent cassette rinsing eliminates most of the residual activity allowing a quick replacement for any upcoming production.

miniAllinOne is a unique compact synthesizer dedicated to the preparation of diagnostic and therapeutic radiotracers. This synthesizer is developed for the production of radiotracers labelled with ^{18}F , ^{68}Ga , ^{177}Lu , $^{99\text{m}}\text{Tc}$, ^{89}Zr , ^{64}Cu , ^{90}Y , ^{188}Re , ^{203}Pb among others, all on the same instrument to meet the evolving needs of the nuclear medicine department.

Combining high yields with ease of use, the miniAllinOne can be considered as the most efficient compact radio-synthesizer.

Main tracers

^{68}Ga - DOTA, PSMA

without pre-purification	>75 %	12 min.
with pre-purification	65 %*	19 min.

^{177}Lu , ^{64}Cu

DOTA, PSMA	>99 %	30 min.
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^{18}F

FDG	>55 %	25 min.
NaF	>95 %	8 min.

*from 60% to 70% depending on generator





miniAllinOne is also a very effective radiochemistry development tool.

Its unsurpassed versatility allows researchers to easily address emerging diagnostic and therapeutic procedures, exemplified by the increasing interest in theranostic.

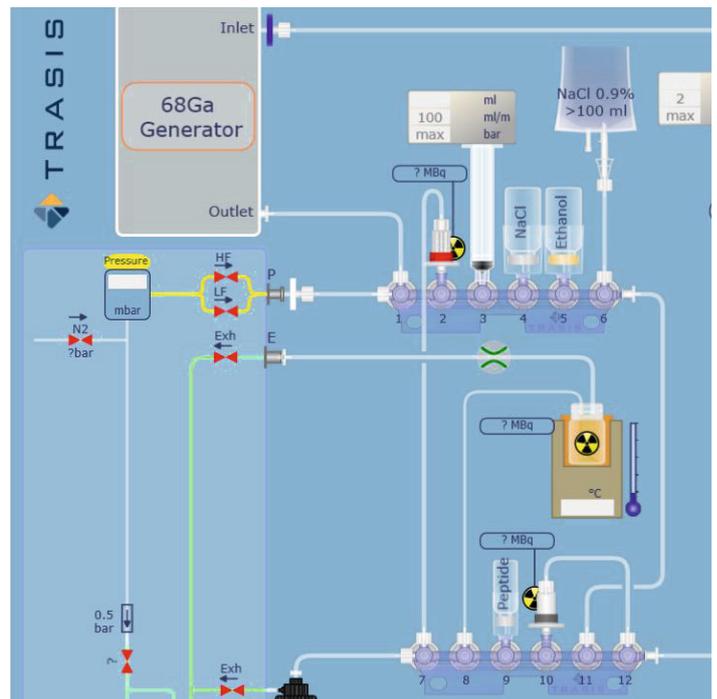
Innovative processes with ^{18}F , ^{68}Ga , ^{177}Lu , ^{89}Zr , ^{64}Cu , ^{90}Y , $^{99\text{m}}\text{Tc}$, as well as with other tracers have been quickly implemented.

SOFTWARE

miniAllinOne includes a user-friendly graphical interface with flexible research-oriented features. It makes it easy for radio-chemists to design their own fluid pathway layout, program their processes graphically and even share their developments with other groups.

The software accurately records all parameters, which allows the process sequences to be fully analyzed and optimized. Data of each run is stored in a library making it even possible to replay any previous run in full detail.

The miniAllinOne software can be operated from anywhere on the LAN with customizable user-access rights.



OTHER SERVICES

Trasis also offers custom services for the miniAllinOne.

Specific procedures and on-demand synthesis process developments can be implemented on the miniAllinOne for a very large range of applications. Trasis also designs and produces customized cassettes and dedicated reagents kits.



Specifications

Dimensions (W x H x D)	21,5 × 41,2 × 40,8 cm (8,5 × 16,6 × 16,1 inch)
Weight	20 kg (44 lbs)
User interface software package	Included
Three-way valve actuator, 6 positions, with position control	12
Syringe actuator with position, speed and force control	2
Reactor-Heater amb to 220 °C	1
Radiation detector – High sensitivity, in with customizable positioning	3
Automated processes	equipment and consumables testing generator(s) elusion cartridge conditioning / prepurification / concentration of the eluate dissolving of lyophilized precursors synthesis phases purification final formulation product collection extensive rinsing at the end of the synthesis
Hot cell requirements	The MiniAllinOne and all its components can be housed in any standard size shielded hot cell. Trasis offers a wide range of dedicated hot cells in line with needs and conforming to local regulations.
Software	Open software with graphical interface, sequence edition, programmable access rights

ABOUT TRASIS

At Trasis our primary focus is allowing the medical community to access new radiolabelled therapeutic and diagnostic substances easier and faster. To this end, we design, manufacture, sell and support high performance synthesizers, dose preparation equipment, their shielding and accessories. We also develop customized synthetic methods and instruments. We can provide GMP Active Pharmaceutical Ingredients (API) and assist our customers with their regulatory affairs.

Our proven radiopharmaceutical expertise, coupled with our high end instruments allows us to provide fully integrated solutions for an effective tracer production and faster transition from drug development to marketing authorization. Our equipment is used worldwide in nuclear medicine departments, research centers, radiopharmaceutical production facilities and pharmaceutical companies.