

Life,
Science.



CASSY®

Compact Automated
Scalable SYNthesis.

**RADIO
PHARMA
SOLUTIONS**

Designed with purpose ■

MEETING YOUR NEEDS IN THE PRODUCTION OF RADIOMETALS AND RADIOTRACERS THROUGH INNOVATION.

RADIOMETALS DEMAND

The increasing need for both diagnostic and therapeutic radiometals is driving innovation in streamlined production solutions.

SMOOTH OPERATIONS

In nuclear medicine, retaining qualified specialists and ensuring continuous learning are key challenges. Efficient operations and intuitive equipment are essential to support your team.

WIDE RANGE OF APPLICATIONS

Meeting the evolving market demands in terms of variety of radioisotopes requires enhanced flexibility, which highlights the importance of diverse production capabilities.

COMPACT LAB SPACES

The limited laboratory spaces lead to the necessity for compact synthesizers.

Compact Automated Scalable SYNthesis.

| EASY-TO-OPERATE.
FLEXIBLE.
COMPACT DESIGN.



CASSY® is your new **user-friendly** synthesizer designed to streamline processes for robust productions, with intuitive software that enhances efficiency.



Its **versatility** enables both purification and radiolabeling of radiometals and more.



With its **compact** design, CASSY® ensures seamless integration into your laboratory and workflow.

User-friendly ■

| EASY-TO-OPERATE.

READY-TO-GO

The preparation of consumables requires minimal handling thanks to the fully integrated solution with CASSY®'s ready-to-use consumables and plug-and-play operation. All stages of radiopharmaceuticals production are fully automated, minimizing manual operations.

INTUITIVE INTERFACE

The software is designed to enhance the user experience in daily routines and the production of new compounds. All IBA radiochemistry equipment can be operated from one single location.

STREAMLINED OPERATIONS IN A cGMP ENVIRONMENT

Step-by-step guidance for configuration of all the operations is managed by the software, to guarantee efficient and reliable production. The software, aligned with 21 CFR Part 11, ensures full traceability, supporting cGMP compliance.

| YOUR CONSUMABLES BY FLUIDOMICA.

Designed for precision and ease of use, CASSY® cassettes integrate all necessary components for processes: reagents, connections, and ancillaries. These consumables are compatible with radioactive environment and automated synthesis modules, while ensuring traceability and consistency in line with cGMP compliance.

Fluidomica, an integrated IBA company, specializes in the development, production, and sales of disposable cassettes for single use in radioisotopes and radiopharmaceuticals manufacturing.



For illustration purpose only.

Versatile .

| FLEXIBLE.



MULTIPLE VALVES

Fully controlled by the software interface, CASSY® is equipped with 18 valves, a radio detector, a peristaltic pump, an oven and a syringe driver.

In this way, it meets the diverse needs of today and ensures adaptability to future research and clinical requirements.

WIDE RANGE OF RADIOISOTOPES

CASSY® provides maximum flexibility, allowing you to purify and radiolabel a wide range of radioisotopes: ^{64}Cu , ^{89}Zr , ^{68}Ga , ^{177}Lu and more to come such as radiotherapeutics.

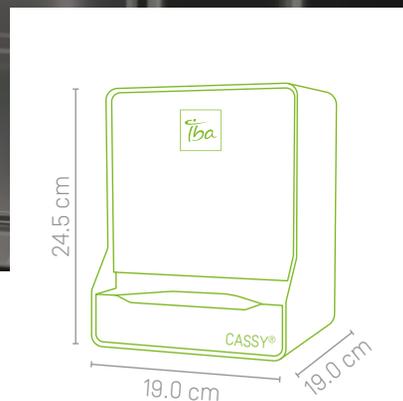
OPEN SOFTWARE PLATFORM

Full access to an open platform to develop and create your own recipes, with infinite possibilities.

Compact.

| SMALL SIZE DESIGN AND SCALABLE.

Its compact size allows up to 6 units to be stacked in a single standard hot cell. It maximizes the use of available space and enables simultaneous operation of multiple units. Thereby, it increases overall production potential.



Technical specificities

CASSY®

Module features	<ul style="list-style-type: none"> 18 pinch valves 1 syringe driver with volume up to 20 mL 1 inert gas supply with pressure regulator, pressure sensor and proportional valve Heating system for a 24 mm standard vial, up to 180 °C Compatibility with external oven for additional flexibility Peristaltic pump (15ml/min), built-in and auto connected to the cassette 1 internal radio detector, with the possibility to have 2 additional ones 5 luer connections for link to external elements Auxiliary signal ports [4 digital I/O, 2 analog inputs] Facility interface [port triggering] for control of external equipment
Utilities	<ul style="list-style-type: none"> Compressed air 6-7 bar Power supply 100-240 VC [50-60 Hz]
Dimensions	19.0 x 19.0 x 24.5 cm (w x d x h)
Software features	<ul style="list-style-type: none"> Integrated software for IBA radiochemistry platform units and accessories Graphical interface Microsoft Windows-based
Follows 21 CFR part 11	<ul style="list-style-type: none"> Password protected three-level access software Automatic data-logging Full audit trail Protected electronic records Print integrity Full traceability
Open software	<ul style="list-style-type: none"> Adjustable parameters Creation of new recipes and sequences
Consumables	<ul style="list-style-type: none"> Plug-and-play cassette system
CASSY® cassette set	<ul style="list-style-type: none"> Disposable cassette with CoA for commercial use Customizable tubing configurations in the cassette for R&D use Appropriate wrapping pack depending on the application Up to 8 vials/cartridge holders 1 reactor vial
Reagent set	Set with certificate of analysis for each of the commercially available tracer
Ancillary supplies set	<ul style="list-style-type: none"> Cartridges Filters Syringes Needles



ABOUT IBA (Ion Beam Applications S.A.)

IBA is a cancer diagnostics and treatment company and the worldwide technology leader in the field of proton therapy. The company's expertise lies in the development of next-generation proton therapy technologies and radiopharmaceuticals that provide oncology care providers with premium quality services and equipment, including IBA's leading fully-integrated IntegraLab® system.

ABOUT IBA RADIOPHARMA SOLUTIONS

Based on long-standing expertise, IBA RadioPharma Solutions supports hospitals and radiopharmaceutical distribution centers with their in-house radioisotope production by providing them with global solutions, from project design to the operation of the facility. In addition to high-quality technology production equipment, IBA has developed in-depth experience in setting up GMP radiopharmaceuticals production centers.



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