

MEDI 9000 2R RESEARCH CLASS A

SHIELDED HOT CELL TO HANDLE HIGH ENERGY
RADIOPHARMACEUTICAL SUBSTANCES



Full option model presented

Compatibility: hot cell suitable for all synthesis modules on the market.

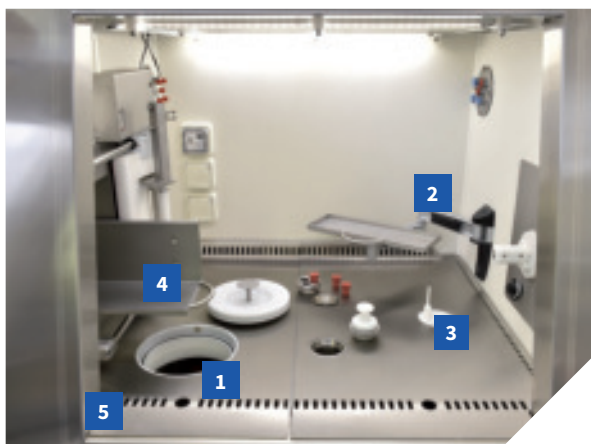
Scalability: possibility of adding a sampling PLC (Mediflash) and a second gallium generator.

Ergonomics and versatility: a unique solution for the gallium-68 synthesis and syringe filling steps as well as for the fractionation of fluorinated pharmaceuticals.

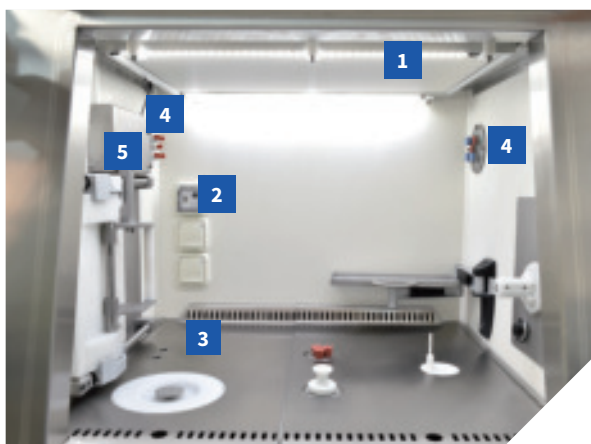


Interior component parts

- 1 | Wide viewing window.
- 2 | Central access to solid and liquid waste bins.



- 1 | FDG pot or gallium generator access (depending on chosen configuration).
- 2 | Ergotron arm to store accessories or consumables.
- 3 | Dose calibrator well with pneumatic raising of the spoon.
- 4 | Sliding tray to transfer equipment via the pass-through.
- 5 | Stainless steel work surface composed of 2 trays easy to remove and decontaminate.



- 1 | LED lighting.
- 2 | Electrical sockets, RJ45, USB.
- 3 | Tubes along the work surface to access the remote generator box.
- 4 | Glands on both sides to feed fluids.
- 5 | Interlocking of pass-through doors (option).



Download
the product data sheet
lemerpax.com

MEDI 9000 2R RESEARCH CLASS A

SHIELDED HOT CELL TO HANDLE HIGH ENERGY
RADIOPHARMACEUTICAL SUBSTANCES



Component parts

- | **Deeper work surface** to accommodate all the synthesis modules available on the market.
- 1 | Control panel.**
- 2 | Lateral pass-through.**
- 3 | Mediflash sampling PLC** with integrated dose calibrator (optional).
- 4 | 50 mm lead remote generator box** (optional) with tubes routed through sealed chicanes.
- 5 | FDG pot compartment** with lift (or gallium generator compartment depending on requested configuration).
- 6 | 1 shielded compartment two bins** (liquid and solid waste).
- 7 | Dose calibrator housing.**

Features

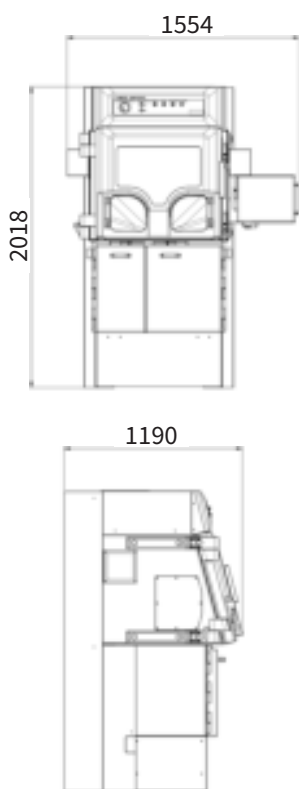
Synthesis of the radiopharmaceutical.

Fractionation and measurement of the patient dose.

Wide range of radiopharmaceuticals manipulated using the source lift option (backup FDG possible).

Additional lateral pass-through optional.

Effective dimensions (mm)



Characteristics

General

Overall dimensions* - 1 pass-through:

L 1554 x D 1190 x H 2018 mm

Exterior finish: Painted steel + ABS

Interior finish: Corian + stainless steel

Standard equipment:

- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded compartment 2 bins

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 67 dB(A)

Hot cell weight (1 pass-through):

4 870 kg

Shielding: 50mm lead

Working volume

Effective dimensions:

L 789 x D 670 x H 564 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Glove port axis height: 1125 mm

Lead glass viewing window:

Standard window:

L 583 x W 422 x TH. 154 mm

Lead equivalence of shielding: 50 mm

⁶⁸Ge/⁶⁸Ga generator /pot compartment

Effective dimensions of the generator compartment:

L 160 x D 250 x H 424 mm

Thickness of the shielding: 50 mm

Type of pots: Curium, AAA, PETNET

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment:

Ø 220 x H 455 mm

Shielding thickness: 50 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Bin compartment

Effective dimensions of the bin compartment: L 154 x D 441 x H 216 mm

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m³/h

Work surface air quality: Class A

Negative pressure inside the hot cell:

-160 Pa (+/- 20%)

Pass-through and generator/pot compartment air quality: Class C

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption:
16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 power sockets + 1 RJ 45 / USB socket

Radiation protection:

Dose rate: < 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:

G⁶⁸: ≤ 21.4 GBq

F¹⁸: ≤ 118 GBq

Package

Package dimensions: 3 packages:

1x L 1250 x D 1250 x H 2400 mm

1x L 1250 x D 1250 x H 1300 mm

1x L 900 x D 800 x H 1300 mm

Package weight (product without options): 2400 kg - 1950 kg - 900 kg

Ref.: 11971

* The dimensions must be confirmed by a layout drawing.