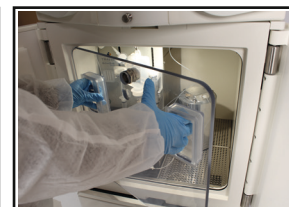
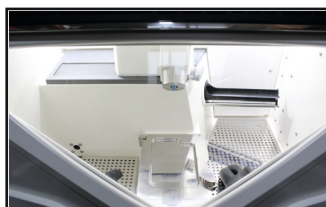
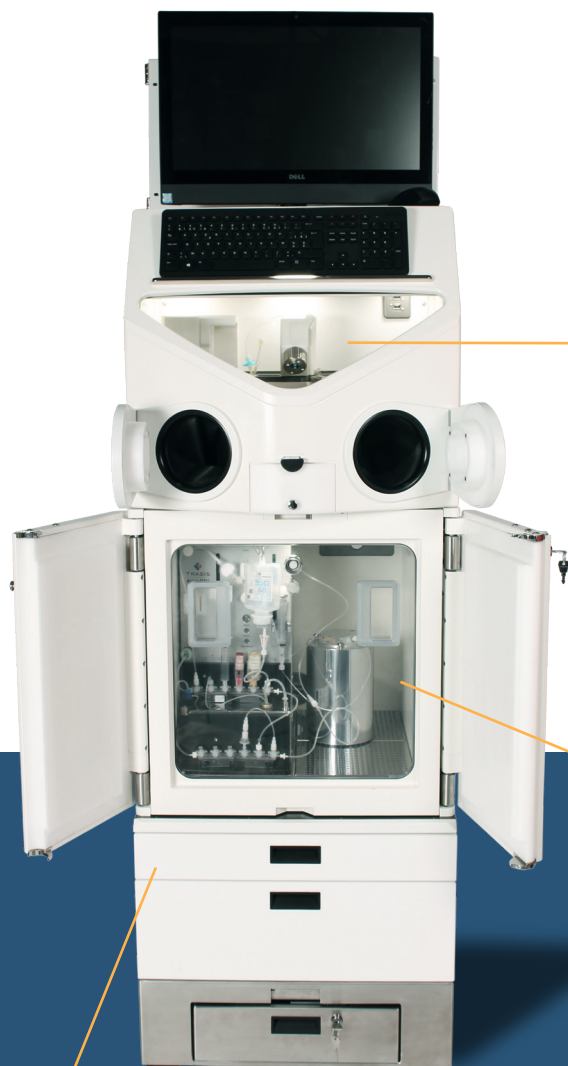


HOTCELL FOR RADIOMETALS LABELLING

Integrated solution enabling molecules labelled with radiometals such as ^{68}Ga and ^{177}Lu to be synthesized into a shielded enclosure class ISO 7 "Class C" and dispensed with one glove box class ISO 5 "Class A" within its 60x60cm footprint



ISOLATOR

- ▶ ISO 5 "CLASS A" with ventilation and filtration autonomous system
- ▶ One medical device calibrator qualified for the most usual isotopes
- ▶ Ventilated pass-through for the input or the output of the components and doses
- ▶ Vacuum level display

SHIELDED ENCLOSURE

- ▶ ISO7 "CLASS C" with stand-alone ventilation and filtration system designed to host :
 - One miniAllinOne or EasyOne synthesizer
 - One or two generators (all brands)
 - The liquid waste vial and its shielding
- ▶ High energy Beta and Gamma radiation shielding
- ▶ Orifice allowing the insertion of a particle counting probe
- ▶ Secondary plexiglass door for visual access and preserving the class of air

DRAWER CABINET

- ▶ 2 wide and robust drawers
- ▶ Last drawer equipped with a shielded rack designed to hold waste vials until reasonably decayed
- ▶ Retractable footstep

ACCESSORIES

- ▶ Control computer with wide monitor
- ▶ Syringe shield for high energy Gamma radiation
- ▶ Class room friendly touchpad and keyboard

SPECIFICATIONS

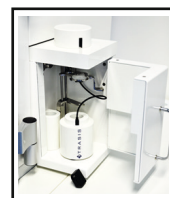
Weight	± 950 kg (2095Lbs)		
Footprint	60x60cm		
SYNTHESIS ENCLOSURE CAPACITY			
DOSE RATE < 25µSv/h AT 5 cm FROM THE HOTCELL			
¹⁸ F	3.3 GBq	[90 mCi]	
⁶⁸ Ga	3.3 GBq	[90 mCi]	
¹⁷⁷ Lu	Well above 370 GBq	[10 Ci]	
⁶⁴ Cu	18.5 GBq	[500 mCi]	

HOTCELL FOR RADIOMETALS LABELLING

Integrated solution for all radiometals labelling consisting in one shielded enclosure class ISO 7 "Class C" for synthesis and one side compartment for dispensing the final product either with laminar flow in syringe or in a shielded vial



Option 1



Option 2

SHIELDED ENCLOSURE

- ▶ ISO7 "CLASS C" with stand-alone ventilation and autonomous filtration system designed to host :
 - One miniAllinOne or EasyOne synthesizer
 - One or two ⁶⁸Ga generators (all brands)
 - The final product vial and its shielding
 - The liquid waste vial and its shielding
- ▶ High energy shielding designed to allow synthesis of two ⁶⁸Ga generators elution (max 90 mCi) while guaranteeing a dose rate of <25μSv/h at 5 cm from the hotcell
- ▶ Digital Pressure level control
- ▶ Ready for ⁶⁸Ga, ¹⁷⁷Lu, ¹⁸⁸Re

DRAWER CABINET

- ▶ 3 wide and robust drawers intended to hold some consumables and small accessories
- ▶ Last drawer equipped with a shielded rack designed to hold waste vials until reasonably decayed and a retractable footstep

OPTION 1 : DISPENSING IN SYRINGE

- ▶ The side compartment for dispensing in syringes allows the manual dispensing under horizontal laminar flow conditions. The radiotracer is extracted from the final product vial, which is located in the shielded compartment. This arrangement provides appropriate radiation protection and optimum ergonomics thanks to the pivoting arm

OPTION 2 : DISPENSING IN VIALS

- ▶ Right side compartment for final product collection in vials
- ▶ Features a shielded container and built in activity detector

SPECIFICATIONS

Weight	± 850 kg (1874Lbs)		
Footprint	60x60cm		
SYNTHESIS ENCLOSURE CAPACITY DOSE RATE < 25µSv/h AT 5 cm FROM THE HOTCELL			
¹⁸ F	3.3 GBq	[90 mCi]	
⁶⁸ Ga	3.3 GBq	[90 mCi]	
¹⁷⁷ Lu	Well above 370 GBq	[10 Ci]	
⁶⁴ Cu	18.5 GBq	[500 mCi]	