

# POSIJET®

INDEPENDENT FRACTIONATION AND INJECTION UNIT FOR HIGH ENERGY  
RADIOPHARMACEUTICALS LABELLED WITH  $^{18}\text{F}$ ,  $^{68}\text{Ga}$ ,  $^{13}\text{N}$ , ...

- | **Optimization** : Full use of the mother solution.
- | **Preparation accuracy** (dosage by volume and activity).
- | **Mobility**: motorised assistance.
- | **Safety**: automatic mother solution volumic activity check.
- | **8 hours'** autonomy in use.
- | **Regulatory conformity**: product marked CE Class IIb medical device by notified body (0459) and certified for pediatric use (>1 year old). Calibration possible by certified body (ISO 17025)
- | **Efficiency**: possibility to inject 2 patients simultaneously with the peripheral injection system (Option)

**POSIJET®**  
FOR **DIAGNOSTIC**  
AND **THERAPEUTIC**  
INJECTIONS



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## Component parts

- 1 | **Dose calibrator** for real time measurement of the radiopharmaceutical dose.
- 2 | **Safe automatic preparation** and manually or automatically controlled injection system.
- 3 | **Monitoring and control** touch screen.
- 4 | **Secure shielded door** containing the multidose vial in its shielded transport container.
- 5 | **Air bubble detector.**
- 6 | **Holder for saline solution** connected to the mother solution kit.
- 7 | **Removable tray.**
- 8 | **Main socket.**
- 9 | **Motorised assistance** rotating control.
- 10 | **Barcode reader** for kit traceability.
- 11 | **Printer for configurable** injection and quality control reports.
- 12 | **Ethernet connection if no WIFI**
- 13 | **Peripheral injection system** (Option)



Paediatric design

Light green

Dark green

Dark blue

Light blue



## Features

Loading and planning assistant ( 1 )

Automatic mother solution volumic activity check. ( 2 )

Dilution assistant. ( 3 )

Volumic dosage with minimum dose of about 100 µL.

Safety: maximum dose threshold, air bubble detector, injection force sensor.

Interoperability with all WIFI and ethernet connected radiopharmacy software. ( 4 )

Easy to use: consumables quick and easy to install. Intuitive, user-friendly interface. ( 5 )

Radiation protection: dose rate < 25 µSv/h at 5 cm from the walls, behind the control console, for a maximum activity of 37 GBq of <sup>18</sup>F in its 30 mm lead shielded transport container. Injection and rinsing operations in automatic and/or remote manual mode.

Reduction of potential distal doses, with the proposal of a wash out of the dose solution kit at the end of the cycle before unloading.

Product adaptable to department practices

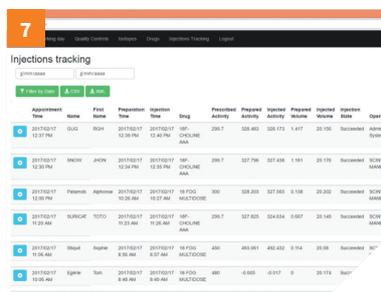
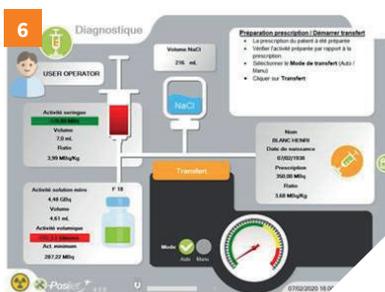
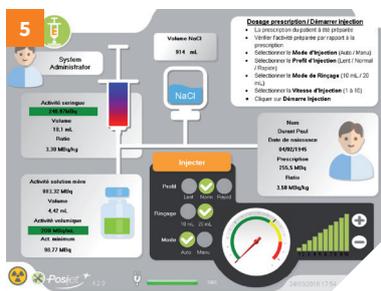
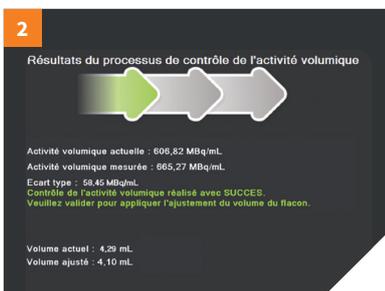
Efficiency: possibility of injecting 2 patients simultaneously with the peripheral injection system, one in automatic mode from the Posijet® and the other manually, with the shielded syringe carrier and the specific syringe shield (optional) ( 6 )

Remote maintenance.

Secure integrated web site: allows remote control and monitoring of all operations carried out with Posijet®, accessible on PC and mobile devices (smartphone, tablet, etc.). ( 7 )

Ease of use: function “test injection site” before the administration of the radiopharmaceutical by bolus NaCl. (the volume of the bolus is adjustable).

Adaptability: possibility to reassign an already prepared dose.



Light grey



Pink



Old pink



Purple



Lilac



Red



Orange

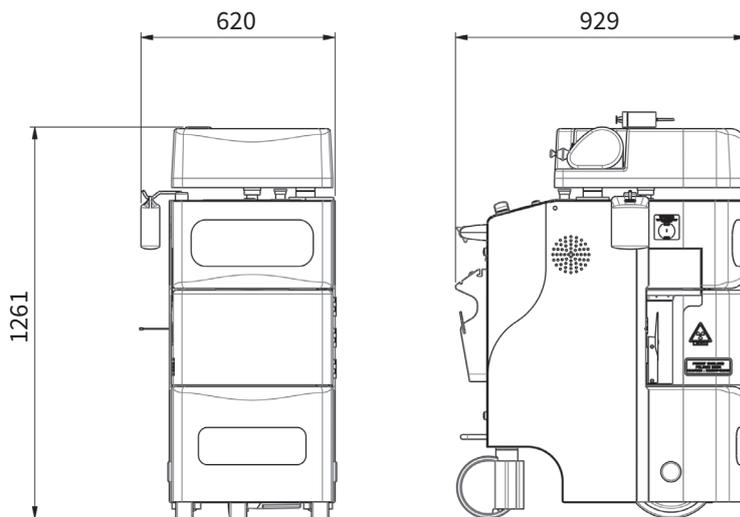


Yellow

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## Effective dimensions (mm)



## Consumables



Mother solution kit

Ref. POSIKIT 1B

Patient kit

Ref. POSIKIT 2

## Characteristics

### General

**Dim. (mm):** L 620 x D 929 x H 1261

**Weight:** 380 kg

**Syringe maximum volume:** 10 mL

**Dose accuracy:** +/- 2 %\*

### Motorised assistance

**Battery autonomy:** 8 h

### CE marked

**Classification:** Class IIb Medical Device

### Dilution of the mother solution

### Full use of the mother solution

### Connection to radiopharmacy software:

WiFi or ethernet

### Remote maintenance

**Adaptable** with radiopharmaceutical transport containers

**Injection:** Automatic or manual

Option: Peripheral injection system

**Product customisable to department practices**

**Certification for pediatric use (> 1 year old)**

### Radiation protection:

**Dose rate at 5 cm from the walls behind the control console:**

< 25  $\mu\text{Sv/h}$  for maximum activity of 37 GBq of  $^{18}\text{F}$  in its 30 mm lead shielded transport container.

### Package

**Dimensions (mm):** L 850 x D 1500 x H 1580

**Gross Weight:** 520 kg

**Ref.: 00019530**

\* This dose accuracy is the prescribed dose accuracy

Worldwide leader in innovation in the radiation protection sector, Lemer Pax creates, designs, and engineers efficient radiation protection solutions for medical, research, industry, and nuclear applications. With over 50 years of innovation, Lemer Pax exports all over the world, eco-aware and cutting edge of technology radiation protection products.

Lemer Pax, protecting life, we strive for excellence to protect the most important thing: Life!



**LEMER PAX**  
PROTECTING LIFE