

Automatic Dispensing Unit Twin Tracer

CE-marked medical device

Lynax
PT459R5

Prepares doses of all PET radiopharmaceuticals as well as ^{177}Lu and ^{131}I

Two vial positions enable doses of two different radiopharmaceuticals to be prepared one after another.

The built-in measuring system measures the activity in the syringe directly during dose preparation and displays it on the control PC screen.

The activity remaining in the mother vial is calculated and displayed in the same way.

PET doses can be prepared in 3 ml, 5 ml and 10 ml syringes. ^{177}Lu doses can be prepared in 3 ml, 5 ml, 10 ml, 20 ml and 30 ml syringes.



Advantages

- Individual dose prepared in just a few clicks
- Highly cost effective
- Dose ready within 1 minute with accuracy better than $\pm 3\%$
- Combination of W and Pb shielding materials
- Vial in a slanted position – no waste of radiopharmaceutical (patented solution)
- Only standard consumables are used
- No special disposable kits needed
- Quick and easy waste handling (only two needles and a vial)
- Reasonable level of automation
- Minimum set-up time for the first dose (max. 3 min)
- Automatic daily QC procedure with built-in check source

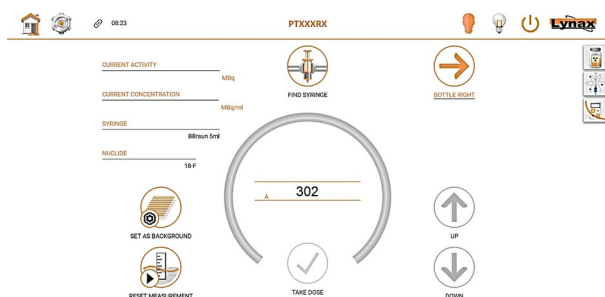
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Intuitive and user-friendly software

- The software continuously displays the activity remaining in the vial (calculated value)
- Automatic linearity and stability tests with a check source built into the device body
- Reliable identification of different radiopharmaceuticals
- Selection of automatic or manual mode



Technical specifications

Dose accuracy.....	±3 %
Dose range (PET).....	35–1 800 MBq
Max. vial volume.....	25 ml
Max. activity in the vial (PET).....	20 GBq
Max. concentration (PET).....	1 200 MBq/ml
Radiopharmaceuticals.....	all PET, ¹⁷⁷ Lu, ¹³¹ I

Dimensions

Height.....	455 mm
Width.....	620 mm
Depth.....	375 mm
Weight.....	127 kg

Shielding parameters

- Vial shielding equivalent to 68 mm Pb – combination of W and Pb
- ¹⁷⁷Lu vial shielded by PA + W
- PET syringe shields: 8–11 mm W
- ¹⁷⁷Lu syringe shields: plexiglass + W



PET syringe shields

¹⁷⁷Lu syringe shields

The specially designed tungsten container **PT318** also fits the Type A packaging set **PT314R2** for radiopharmaceutical transport. This eliminates unshielded handling of a vial containing activity.



PT318 tungsten container

Consumables for one vial

- Dispensing needle: spinal needle spine-ject, 0.90 × 90 mm (delivered by Lynax)
- Venting needle: any needle longer than 70 mm