

Automatic Dispensing Unit Twin Tracer

PT459R2

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

Two vial positions enable dose preparation of two different RF immediately following.

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

The activity remaining in mother vial is calculated and displayed similarly.

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



Highly cost effective

- Combination of W and Pb shielding materials
- Vial in a slanted position - no waste of RF (patented solution)
- Only the standard consumables are used (BBraun or others)
- No need to use any special disposable kits
- Quick and easy wastes handling (only two needles and a vial)
- Reasonable level of automation
- Minimum time for the first dose set up needed, max. 3min.
- Automatic daily QC procedure with built in check emitter

Advantages

- Prepare an individual dose by just a couple of clicks!
- The dose will be ready within 1 minute with the accuracy better than 3%.



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Intuitive and user-friendly software

Software continuously displays the activity remaining in the vial (calculated value).

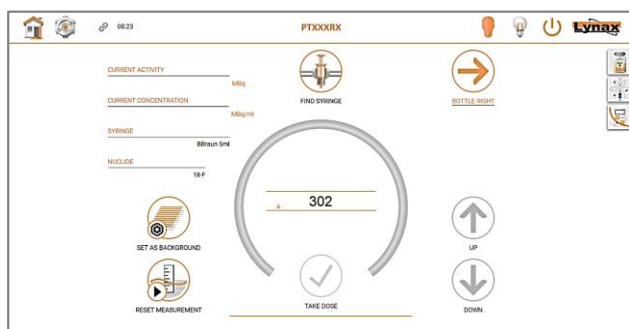
Automatic linearity and stability tests - check emitter incorporated in the device body.

The software will recommend a value of individual dose according to the patient's weight or BMI based on preset specifications.

Reliable identification of different RF

Selection of automatic, semiautomatic or manual modes.

PT318R2 - specially designed tungsten container fits also the packaging set Type A PT314R2 for RF transportation. Using this solution eliminates the unshielded manipulation with an activity containing vial.



Consumables for one vial

- 1x BBraun Spinocan 0,90 x 88mm; G20
- 1x BBraun Sterican 0,80 x 120mm; G21



Shielding parameters

- The vial shielded by eqv. of 68mm Pb - Combination of W and Pb shielding
- ¹⁷⁷Lu vial shielded by PA + W
- PET Syringe shields - range from 8 to 11mm W
- ¹⁷⁷Lu Syringe shields - Plexiglass + W



Technical specifications

Dose accuracy.....	3%
Dose range	35 -1800MBq (for PET)
Max. vial volume	25ml
Max. activity in the vial	20 GBq (for PET)
Max. concentration	1 500MBq/ml (for PET)
Radiopharmaceuticals	all PET, ¹⁷⁷ Lu, ¹³¹ I

Dimensions

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