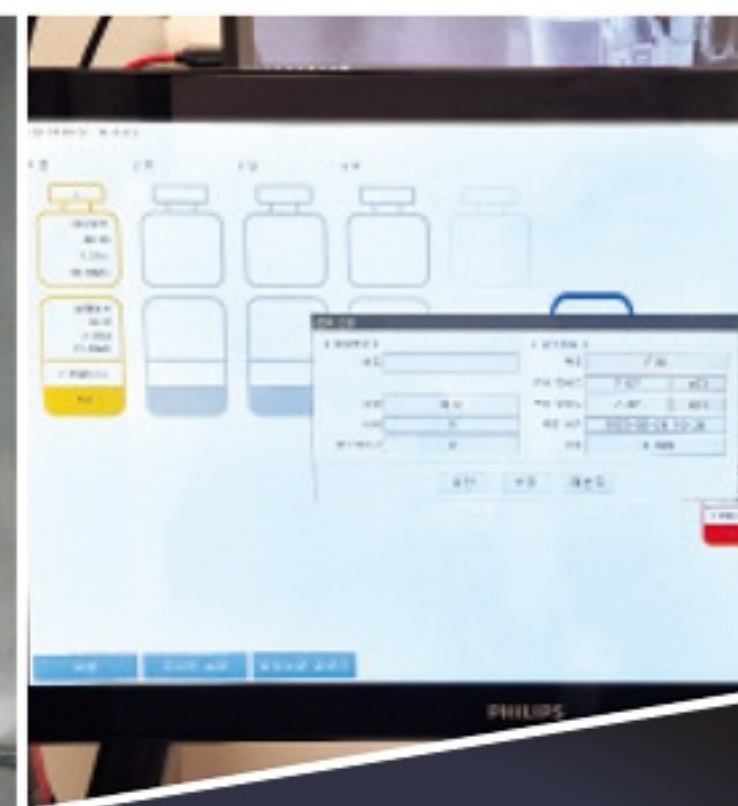


RIMD

Radiopharmaceutical
Multiple
Dispenser



Automatic Dispensing of Multiple Radiopharmaceuticals!

The **RIMD (Radiopharmaceutical Multiple Dispenser)** is a state-of-the-art automatic dispensing system for cyclotron facilities, nuclear medicine departments, and PET/CT centers.

It safely and quickly dispenses F-18-based radiopharmaceuticals such as FDG, FP-CIT, and FLT, as well as others like C-11, Ga-68, and Tc-99m, directly into syringes.

With up to three vial shields, it can handle **multiple radiopharmaceuticals** efficiently, ensuring **safe** and streamlined nuclear medicine operations.

The system consists of

- ① RIMD Dispensing Module set
- ② Capintec's Dose Calibrator (PC smart Chamber)
- ③ Label Printer
- ④ Tungsten Vial Shield
- ⑤ Tungsten Syringe Pig
- ⑥ Lead shielded working box

Easy-to-use Operation

Setup

- Set vials according to the number of radiopharmaceuticals. (Max: 3)
- In the settings, enter the specific activity of each vial Manually/Automatically.

Dispensing

- Load an empty syringe(1cc/3cc) and close the shielding door.
- Enter the dispensing activity directly, or order in mCi (MBq) units by entering the weight conversion factor or injection time.

Dispensing Settings

- If discrepancy between the measured activity after dispensing and the ordered activity use the "Correction" function to adjust the dispensing error.
- To adjust the dose after dispensing, use the "Re-dispense" function.
- Use the "Post-injection Measurement" function to check residual activity.

Other Features & Advantage

- When changing the syringe type, simply adjust the values in the settings menu.
- Even when different radionuclides are loaded, there's no need to manually change the isotope settings on the dose calibrator.
- When a new radiopharmaceutical is introduced, you can easily add its isotope information through the settings menu.

Technical Specification

01 RIMD dispensing Module

- **Size** : 1,200 × 300 × 600mm
(can be changed by the number of vial shields)
- **Weight** : 20kg
- **Maximum Dose Activity** : 500mCi
(with ¹⁸F in one vial shield)
- **Minimum Dispensing Dose** : 1mCi
(with 1cc syringe)
- **Dispensing time** : less than 80sec
- **Dispensing error rate** : ± 5%
(at the specific activity with 100mCi/10cc)
- **Power supply** : 220VAC / 60Hz

02 Lead Shielded working box

- **Size** : 1,250 × 700 × 2,200mm
- **Weight** : 1,600kg
- **Shielding thickness** : Pb 30mm/40mm
- **Dose Rate** : less than 10uSv/h
(at the surface(10cm) of the shielding door)

03 Dose Calibrator

- **Manufacturer** : Capintec[Mirion]
- **Model** : CRC-PC Smart Chamber

04 Tungsten vial shield

- **Size** : (Ø)100mm × (H)120mm
- **Weight** : 18kg
- **Shielding thickness** : Tungsten 30mm
- **Material** : W90%NiFe

05 Tungsten syringe pig shield

- **Size** : (Ø)54mm × (H)58mm
- **Weight** : 2.2kg
- **Shielding thickness** : Tungsten 16mm
- **Material** : W90%NiFe

06 Disposables

- 1 × long needle with luer cap(per vial)
- 1 × venting needle(per vial)



Uniteko Co., Ltd.

Add 1703-B ICT VALLEY Bd, 58 GIHEUNG-RO, YONGIN-SI, GYEONGGI-DO, S.KOREA (16976)

Tel +81-31-719-0533 Fax +82-31-624-0539 E-mail sales@uniteko.co.kr

www.uniteko.co.kr

