- One well-type dose calibrator for measuring activities of known gamma-emitting

radiopharmaceuticals like Tc-99m, I131,F18 , etc.

- Dose should be measurable from syringes and vials.

- It should be connected to a display device with readout in both mCi and MBq.

- There should be preset buttons for commonly used radionuclide’s and additional buttons for

user-definable radionuclide’s.

- Large LCD or LED display with nuclide name, activity (Ci or Bq) and calibration

number

- Library of over 80 nuclides and half-life with room for 10 additional nuclides

- Measurement Range up to 2 Ci

- Energy range (at least): 25 keV to 1 MeV.

- User interface : touch screen

 **Instrument quality control Checks**

- zero adjustment.

- bias adjusment

- background effect

- Accuracy and constancy test

- High voltage test

- linearity.

 **Nuclear Pharmacy Apps**

- Future dose and volume computation

- Half-Life Verification

- Moly Assay(. Mo-99 breakthrough test kit (canister