

Pro-NM 3DB

Product code: 08-901

(*NEW PRODUCT)



Description:

The Pro-NM 3DB phantom is designed for the three-dimensional (3D) simulation of the anatomical distribution of radiopharmaceuticals in the human brain for emission computed tomography (SPECT, PET) studies and hybrid systems (SPECT/CT, PET/CT, PET/MRI).

Thanks to its microlayer structure—requiring the filling of only a single fillable chamber—the phantom simulates the physiological radioactivity uptake ratio of gray to white matter (4:1), as well as the absence of uptake in the ventricular system.

Technical data:

(can be modified to customer specification)

Main cylinder

- Material: Clear PMMA
- Cylinder inner diameter: 190.5 mm [7.5"]
- Cylinder inner height: 135 mm [5.3"]
- Cylinder wall thickness: 6.4 mm [1/4"]
- Liquid / fillable volume: ~ 1.2 L

Brain insert

- Material: Clear PC
- Insert outer diameter: 190 mm
- Insert outer height: 135 mm

Optional "cold" lesion inserts

- Optional solid inserts designed to simulate zero-uptake ("cold") regions.
- Displaces the radioactive solution within a specified volume to form a highly reproducible hypoactive (cold) area.

Accessories:

- optional carrying case

Product features:

- CE certified