



Pro-NM Performance SMALL

08-111 - standard version
08-112 - version with the PET Lid



The phantom for small FOV NM and PET systems performance evaluation (collimator, artifacts, calibration, reconstruction parameters)
Among other things, it can be used to evaluate: center-of-rotation error, non-uniformity artifacts, changes of radius-of-rotation on spatial resolution, reconstruction filters on spatial resolution, attenuation and scatter compensation.

Technical data (can be modified to customer specifications):

- main cylinder:
 - inside cylinder diameter: 140 mm
 - inside cylinder height: 150 mm
 - cylinder wall thickness: 6 mm
- cold rods insert:
 - rod diameters: 3.2, 4.8, 6.4, 7.9, 9.5 and 11.1 mm – height of rods: 40 mm
- cold spheres:
 - solid sphere diameters: 3.2, 4.8, 9.5, 12.7, 15.9 and 19.1mm – height of the center of the spheres from the base plate: 78.5 mm
- optional PET Lid with cylindrical samples:
 - refillable thin-walled cylinders, diameters: 4, 6, 8, 12, 16 mm
 - PTFE solid cylinder diameter: 16 mm
 - cylinder height: 25.4 mm
- optional heavy duty carrying case (08-120)

Product features:

- Complies with:
 - NEMA Standards Publication (NU 1-2001) Performance Measurements of Scintillation Cameras
 - AAPM Report No. 9 - Computer Aided Scintillation Camera Acceptance Testing
 - AAPM Report No. 22 - Rotating Scintillation Camera SPECT Acceptance Testing and Quality Control
 - ACR-SNM (Res. 5 – 2011) technical standard for diagnostic procedures using radiopharmaceuticals
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration