



This product is available through:  
**JRT Associates**  
 800-221-0111

**UNMATCHED  
 SOLUTIONS  
 FOR  
 QUALITY  
 CONTROL**

## Pro-NM Performance

**Phantom for NM and PET systems performance evaluation** (collimator, artifacts, calibration, reconstruction parameters). It can be used to evaluate, for example: 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: 206 mm
  - inside cylinder height: 186 mm
  - cylinder wall thickness: 7 mm
- cold rods insert:
  - rod diameters: 4.8, 6.4, 7.9, 9.5, 11.1 and 12.7 mm
  - height of rods: 88 mm
- cold spheres:
  - solid sphere diameters: 9.5, 12.7, 15.9, 19.1, 25.4 and 31.8 mm
  - height of the center of the spheres from the base plate: 127 mm
- optional PET Lid with cylindrical samples:
  - refillable thin-walled cylinders, diameters: 8, 12, 16 and 25 mm
  - water filled cylinder diameter: 25 mm
  - air filled cylinder diameter: 25 mm
  - PTFE solid cylinder diameter: 25 mm
  - cylinder height: 38 mm
- heavy duty carrying case

### 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
- CE certified
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration

