

# Pro-NM SPECT BASIC kit

08-001



This kit is a versatile set of phantoms and software for carrying out tests according to NEMA standard on SPECT devices.

## Standard kit configuration:

- Pro-NM Performance (08-101)
- Pro-NM Linear Source Module (08-201)
- Pro-NM Resolution (08-301)
- Pro-NM AutoFlood (08-410) with a trolley (08-411)
- Diagnostics PRO annual subscription
- carrying cases

## 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
- evaluate changes of radius-of rotation on spatial resolution
- spatial resolution measurement in air and in water
- quantitative evaluation of reconstruction filters and scatter compensation method
- determination of camera intrinsic resolution
- collimator spatial resolution
- field size and linearity
- uniformity of response

## 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