RSD
Radiology Support Devices, Inc.

PET/SPECT IQ Phantom

OPTIMIZE PET & SPECT IMAGING SYSTEMS FOR PRECISE & RELIABLE PERFORMANCE

RSD's PET/SPECT IQ Phantom is an essential tool for routine testing and optimization of imaging systems, providing critical data to ensure consistent, high-quality results in both clinical and research environments. Ideal for acceptance testing, routine QA, and performance analysis, this versatile phantom helps ensure optimal system performance and image quality.

Standards Compliance

NEMA NU 1-2023: Performance Measurements of Gamma Cameras | **AAPM Report No. 9:** Computer-Aided Scintillation Camera Acceptance Testing | **AAPM Report No. 22:** Rotating Scintillation Camera SPECT Acceptance Testing and Quality Control
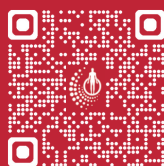
Specifications

- Internal: 20.4 cm (Diameter) x 18.6 cm x 6.4 mm

Accessories

- Comprehensive Product Manual
- Sturdy Carrying Case

Model Number

QA-NM010: PET/SPECT IQ Phantom

Product Features & Benefits

Acceptance Testing: Verify system performance and ensure proper setup during initial installation, system upgrades, and regulation compliance

Routine Quality Assurance (QA): Regularly monitor system functionality to maintain consistent imaging quality and adherence to specifications

Non-Uniformity Artifact Analysis: Identify and analyze non-uniformities in imaging, crucial for maintaining system calibration and image accuracy

Center-of-Rotation (COR) Error Analysis: Detect and assess errors in the center-of-rotation, which can affect image clarity and diagnostic accuracy

Attenuation and Scatter Correction Analysis: Evaluate the effectiveness of attenuation and scatter correction algorithms, ensuring accurate image reconstruction in both PET and SPECT systems

Reconstruction Filter Analysis: Assess the impact of different reconstruction filters on spatial resolution, helping optimize imaging protocols

Radius-of-Rotation Analysis: Examine the influence of radius-of-rotation changes on spatial resolution for accurate performance evaluation

RSDphantoms.com
Call: 310-518-0527