

Jaszczak SPECT Phantom



Description

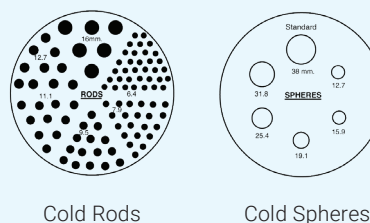
The Jaszczak SPECT Phantom provides consistent performance information for any SPECT or PET system. Multiple performance characteristics of camera-based SPECT systems are evaluated from a single scan of the phantom.

On-axis and off-axis transverse line spread function may be easily measured without removing the cover plate. Measurements of full-width-half (or tenth) maximum can be readily determined, either in air or in water.

The Phantom is used for:

- System performance evaluation of: Collimator, Artifacts, Calibration, and Reconstruction Parameters
- Acceptance testing
- Routine quality assurance and control
- Evaluation of:
 - Center-of-rotation error
 - Non-uniformity artifact
 - Changes of radius-of-rotation on spatial resolution
 - Reconstruction filters on spatial resolution
 - Attenuation and scatter compensation
- Single slice volume sensitivity
- Total system volume sensitivity
- Lesion detectability

Inserts for PET and Spect Phantoms



Specifications

- **Cylinder Interior Dimensions:** 8.5" dia. x 7.32" h (21.6 x 18.6 cm)
- **Cylinder Wall Thickness:** 0.125" (3.2 mm)
- **Volume:** 6.8 L
- **Volume With Inserts:** 5.7 L
- **Cold Rod Insert Height:** 3.46" h (8.8 cm)
- **Height of Spheres From Base Plate:** 5" h (12.7 cm)
- **Cold Rod Dimensions:** 4.8 mm, 6.4 mm, 7.9 mm, 9.5 mm, 11.1 mm, 12.7 mm
- **Solid Sphere Diameters:** 9.5mm, 12.7 mm, 15.9 mm, 19.1 mm, 25.4 mm, 31.8 mm
- **Cylinder Material:** PMMA
- **Shipping Weight:** 15 lb (6.9 kg)

Ordering Information

043-750	Phantom, SPECT, Deluxe
043-763	Phantom Insert, Hollow Spheres
043-730	Phantom Insert, Triple Line
043-777	Phantom Insert, Cardiac