Hoffman 3-D Brain Phantom™

- Anatomically accurate simulation of radioactivite distribution for brain SPECT and brain PET studies and distribution of proton density and relaxation parameters for brain MRI studies
- Simulates 4:1 uptake ratio (by partial volume effect) seen for normal gray and white matter in flow and metabolic studies
- Single fillable chamber eliminates the necessity of preparing different concentrations of radioactivity
- Fillable and solid defects for basil ganglia region available

Specifications:
Cylinder inside diameter: 20.8 cm
Cylinder inside height: 17.5 cm
Fillable volume: ~ 1.2 liter

043-790 Hoffman 3-D Brain Phantom

NEMA 94 PET Phantom

The NEMA 94 PET Phantom consists of 1 large outer cylinder, 2 smaller fillable cylinders, 1 solid PTFE cylinder, and 3 stainless steel line sources. According to the standard, they can be used in various configurations to measure spatial resolution, scatter, sensitivity, count losses and randoms, uniformity, scatter correction, count rate correction, and attenuation correction.

- All clear material: PMMA
- Cylinder outside height with lid: 229 mm
- Cylinder outside height without lid: 216 mm
- Cylinder outside diameter: 203 mm
- Cylinder inside: diameter: 197 mm
- Wall thickness: 3 mm
- Teflon® Insert diameter: 51 mm
- Fillable Insert outside height: ~ 203 mm
- Fillable Insert inside height: ~ 185 mm
- Fillable Insert outside diameter: ~ 51 mm
- Fillable Insert Inside diameter: ~ 45 mm
- Line Source diameter: ~ 1 mm
- Line Source height: ~ 184 mm

043-755 NEMA 94 PET Phantom

NEMA SPECT Triple Line Source Phantom

- The NEMA SPECT Triple Line Source Phantom is designed in accordance with the recommendations by the National Electrical Manufacturers Association (NEMA) to standardize the measurement of reconstructed spatial resolution of SPECT
- Acceptance testing with NEMA standard
- Center-of-rotation error evaluation
- Evaluation of changes of radius-of-rotation on spatial resolution
- Quantitative evaluation of reconstruction filters and scatter compensation methods

Specifications:
Clear material is PMMA

Cylinder Outside Diameter:	222 mm
Cylinder Inside Diameter:	202 mm
Cylinder Outside Height:	238 mm
Cylinder Inside Height:	200 mm
Diameter of Line Sources:	1 mm
Spacing of Line Sources:	75 mm
Useful Height of Line Sources:	184 mm

043-758 NEMA SPECT Triple Line Source Phantom

Triple Line Insert™

- Designed for use with nearly all of the cylinders supplied with Data Spectrum phantoms
- Center-of Rotation error evaluation
- Evaluation of changes of radius-of rotation on spatial resolution
- Spatial Resolution measurement in air and in water if mounted in cylinder
- Quantitative evaluation of reconstruction filters and scatter compensation method

Specifications:
Diameter of insert: 18.6 cm
Diameter of line sources: ~ 1 mm
Spacing of line sources: 7.5 cm
Useful height of line sources: 7 cm

043-730 Triple Line Insert