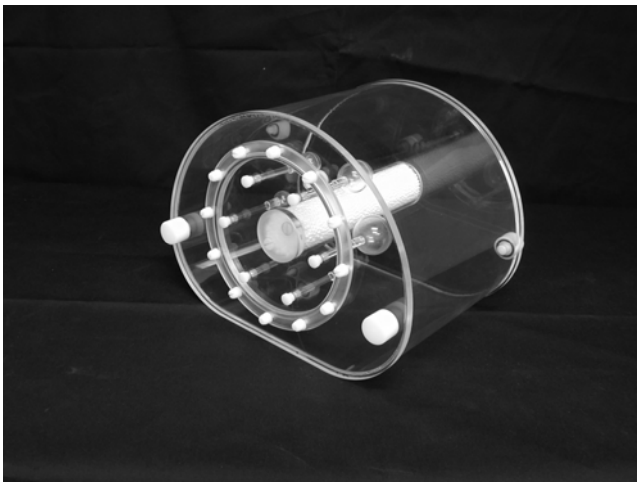
NEMA IEC Body Phantom Set™



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NEMA IEC Body Phantom Set™
Model PET/IEC-BODY/P

Main Features:
- The NEMA IEC Body Phantom Set™ consists of a body phantom, a lung insert and an insert with six spheres with various sizes
- It is designed in accordance with the recommendations by the International Electrotechnical Commission (IEC) and modified by the National Electrical manufacturers Association (NEMA)
- It is recommended for use in the evaluation of reconstructed image quality in whole body PET imaging

Main Applications:
- Simulation of whole-body imaging especially using PET and camera-based coincidence imaging techniques
- Evaluation of reconstructed image quality in whole-body PET and camera-based coincidence imaging
- Determination of the coincidence count rate characteristics in brain and cardiac imaging
- Evaluation of the relationship between true coincidence count rate and radioactivity
- Determination of the address errors caused by address pile up
- Evaluation of the count loss correction scheme
- Research

Specifications:
Interior length of phantom: 180 mm
Fillable spheres (6) inner diameter: 10 mm, 13 mm, 17 mm, 22 mm, 28 mm, and 37 mm.
Distance from sphere plane to inside wall: 70 mm
Volume of empty cylinder: 9.7 liters
Cylindrical insert dimension:
Outside diameter: 51 mm
Length: 180 mm

* *International Standard: Radionuclide imaging devices – Characteristics and test conditions – Part 1: Positron emission tomographs*, International Electrotechnical Commission (IEC), 61675-1, Geneva, Switzerland, 1998.

* *Performance Measurements of Scintillation Cameras*, NEMA Standards Publication No. NU2, National Electrical Manufacturers Association (NEMA), Washington, D.C., 2001.

This product is available through:

JRT Associates

800-221-0111