

Extended Oval PET Phantom™

Extended Oval PET Phantom™ Model PET/EX-OV/P

Main Features:

- The Extended Oval PET Phantom Set™ is designed to simulate the distribution of radioactivity throughout the long body torso*
- It consists of a set of two 40 cm long cylinder sections with oval shape cross section to simulate the long body torso
- A single 40 cm section fills the axial FOV of a large camera

Main Applications:

- Evaluation of cancer imaging using camera-based and dedicated PET systems
- Measurements of contrast, signal-to-noise ratio using hot inserts
- Evaluation of the effects of out-of field-of-view activities
- Evaluation of attenuation and scatter correction
- Research

Specifications:

Outside lateral dimensional of cylinder: 36 cm

Inside lateral dimension of cylinder: 34 cm

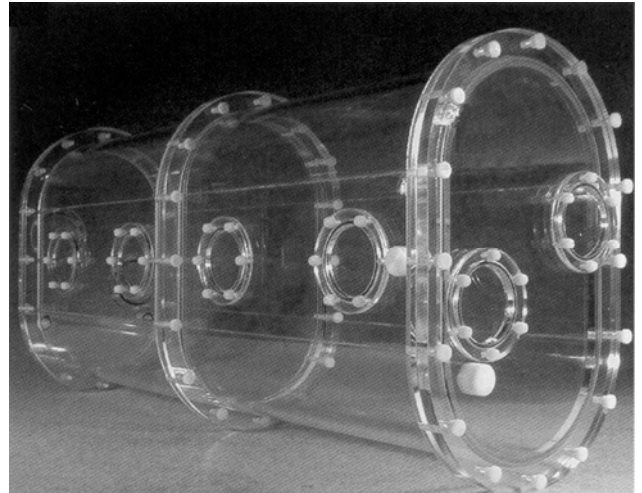
Outside anterior-posterior dimension of cylinder: 21 cm

Inside anterior-posterior dimension of cylinder: 19 cm

Wall thickness: 1 cm

Height of each cylinder section: 40 cm

Total cylinder height: 80 cm



Extended Oval PET Phantom™

* Turkington TG, Williams NE, Hamblen SM and Coleman RE. Regional FDG uptake, attenuation, and geometry measurements for whole body phantom design. J Nucl Med 40:281P, 1999.