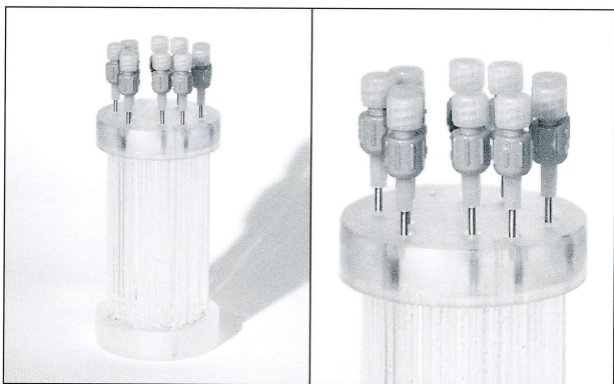


Animal PET QC Phantom



Acrylic phantom for quality control of animal PET scanners and of pinhole SPECT systems

Features

- ▶ Checks the performance of animal PET and pinhole SPECT systems
- ▶ Includes a number of fillable holes
- ▶ Phantom is divided into five segments with different hole diameters and hole distances

The animal PET phantom is designed for checking the performance of small animal PET scanners and pinhole SPECT systems in the limit ranges of resolution and image quality. The animal PET phantom consist of an acrylic cylinder accommodating a number of holes with various diameters, which can be filled with radioactive liquid. The circular phantom is divided into five segments with different hole specifications. The hole diameters are 1.0 mm, 1.5 mm, 2.0 mm, 2.5 mm and 3.0 mm, and the hole distances are 4.0 mm, 5.0 mm, 6.0 mm, 8.0 mm and 9.0 mm. All holes in each segment are interconnected to ensure regular liquid dispersion. The segments have two filling holes each to introduce cannulas for activity filling. The phantom has 10 filling holes. The long projections in the picture above are the cannulas.

Model 100/57 is a cylinder of 57 mm diameter and 135 mm height. The total number of holes is 54. The drilling depth for the accommodation of the holes is 105 mm and the height of the measuring field is 100 mm. The total height of the holes is 170 mm.

Ordering Information

L991358 Animal PET phantom model 100/57