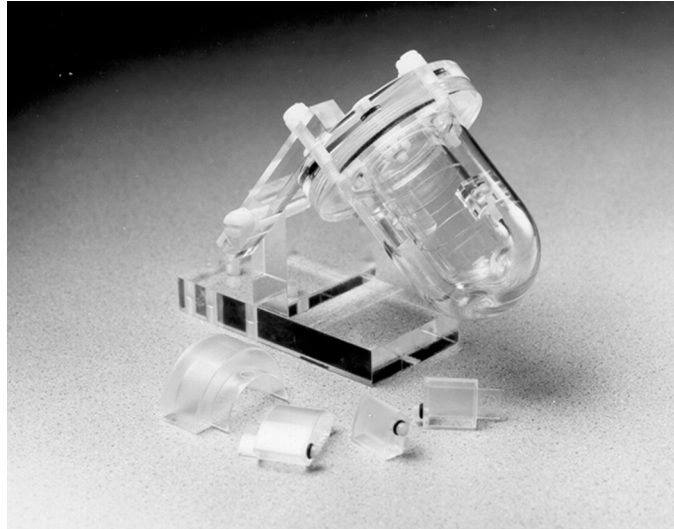


Cardiac Insert™



Cardiac Insert™ with Fillable Defects Set™

Cardiac Insert™ with Solid/Fillable Defect Set™

Model ECT/CAR/I

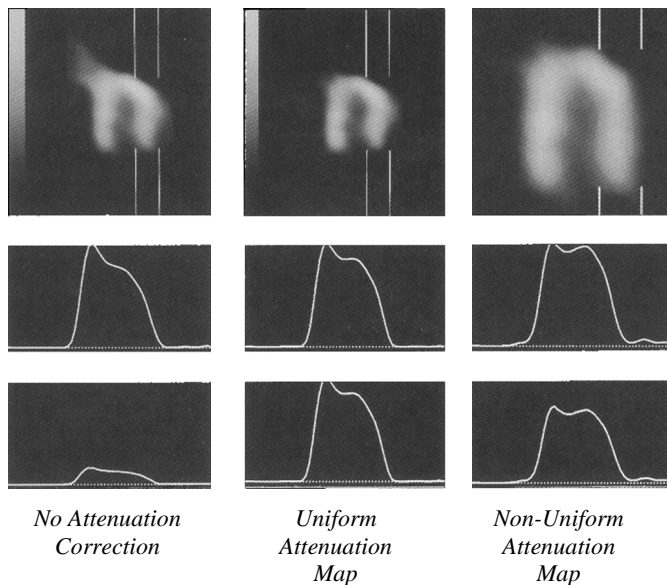
Main Features:

- Designed to be used with the various Data Spectrum circular and elliptical cylinders, the Elliptical Lung-Spine Body Phantom™ and the Anthropomorphic Torso Phantom™
- Simulates normal and abnormal myocardial uptake and radioactivity in left ventricular chamber
- Solid inserts simulate transmural and non-transmural cold abnormalities
- Fillable inserts can be used to simulate transmural and non-transmural cold or hot abnormalities

Main Applications:

- Evaluation of cardiac ECT data acquisition and reconstruction methods
- Quantitative evaluation of non-uniform attenuation and scatter compensation methods
- Research

SPECT scans with Cardiac Insert™



Specifications:

Cardiac Insert

“Ventricle” overall length: 9.3 cm

“Ventricle” overall diameter: 6.1 cm

“Myocardium” thickness: 1.0 cm

“Myocardium” volume: ~ 110 mL

“Ventricle” volume: ~ 60 mL

Solid Defect Set

1. 60° x 2 cm
2. 45° x 1.5 cm
3. 60° x 2 cm, with 5 mm wall thickness (non-transmural defect)

Fillable Defect Set

1. 180° x 2 cm ~ 13 mL
2. 90° x 2 cm ~ 5.4 mL
3. 45° x 2 cm ~3.8 mL
4. 45° x 2 cm, with 5 mm thick chamber* ~ 1.4 mL

* Only the outer half of the 4th defect (non-transmural) is fillable. Each insert can be installed individually