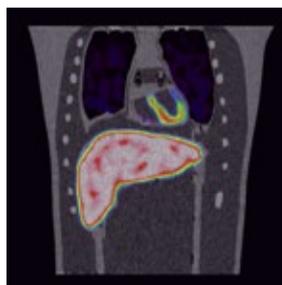


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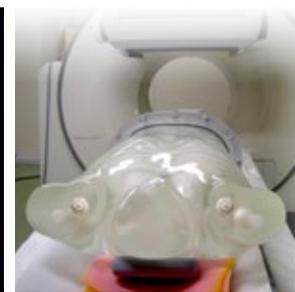
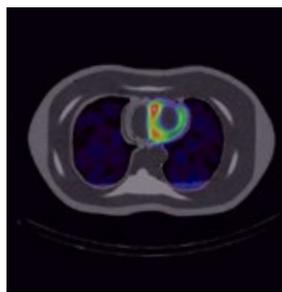
# PET/ SPECT Thorax Phantom



**PET/ SPECT Thorax Phantom is an optimal tool for study in nuclear medicine**



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## FEATURES

- Examination of myocardial density through SPECT imaging
- Verification of myocardial imaging with the use of various RI solution densities
- Ability to capture defects of the myocardial region
- Can reproduce image variations of the heart by injecting RI solutions in the liver, kidney and lungs

### Examination of RI solution density for simulated tumors

- The simulated tumors can be inserted into lung, liver and breast
- Tumors can be filled with FDG/RI solution into the spheres for evaluation of density, size and placement

## APPLICATIONS

- PET/SPECT
- Quality management of NM equipment
- Myocardial density with SPECT imaging
- RI solution density for tumor imaging

## ANATOMY

- Liver
- Lung (right/left)
- Kidney (right/left)
- Hot spots (liver, lungs and breast)
  - \* Hot spot for PET can be set in liver, lungs and breast.
- Heart
  - Anatomical type: right ventricle, left ventricle and myocardium
  - Geometric type: left ventricle and myocardium



Geometric type Anatomical type

- HU | Bone: 370HU
- | Lung: -900HU
- | Organ shell material: 100HU, and 1.16g/cm<sup>3</sup> in density

## DESCRIPTIONS

### SET INCLUDES

1 thorax body	1 base	*S: Several
2 lungs (left and right)	S* plastic pins	
4 hearts	6 supporting bars	
1 liver	4 flat bar rings for base	
2 kidneys	5 tubes	
1 rib cage and spine	1 syringe	
2 breasts	S* nuts and bolts	
3 hot spots	1 water tank	
	manual	

### MATERIALS

Soft tissue: transparent polyurethane  
 Lungs: materials with density 0.4 g/cm<sup>3</sup>  
 Bone materials: Calcium infused material to provide proper attenuation with use of RI solutions

### SPECIFICATIONS

Phantom size: W44 x H69.4 cm  
 W17.3 x H27.3 in  
 Phantom weight: phantom itself: 21 kg/ 46.2 lb  
 when filled with liquid: 37.5 kg/ 82.6 lb