

Elliptical Lung-Spine Body Phantom Lid Insert™

Model ECT/LUNG-SPINE/I

Main Features

- Designed to be used exclusively with the Elliptical ECT Phantom™ (Model ECT/ELP/P)
- Consists of two lung chambers that can be packed with polystyrene beads and when filled with a radioactive solution simulate lung tissue with density of $\sim 0.3 \text{ gm/cm}^3$ and any desirable radioactivity concentration
- A Teflon® rod is used to simulate the spine Optional Cardiac Insert™ (Model ECT/CAR/I) can be purchased separately to be mounted on the lid
- Optional Fillable Spine Insert (Model ECT/FIL-SPINE/I) and Liquid Bone filled (Model ECT/BONE-SPINE/I) are available

Main Applications

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

Specifications

All clear material: PMMA

Diameter of Teflon® rod (spine): 38 mm

Length of Teflon® rod (spine): 17.8 cm

Volumes:

Left lung (w/o polystyrene beads): ~ 0.9 liter

Right lung (w/o polystyrene beads): ~ 1.1 liter

Left lung (w/ polystyrene beads): ~ 0.36 liter

Right lung (w/ polystyrene beads): ~ 0.44 liter

Shipping

Carton: 13" x 13" x 13"

Weight: 5lbs.



Elliptical Lung-Spine Phantom Lid Insert™



Shown with optional Cardiac Insert™