

Lung Spine Phantom Lid™

Lung-Spine Phantom Lid™

Model ECT/LUNG/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 Styrofoam® 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 used with the Lung Spine Phantom Lid™
- Optional Fillable Spine Insert, see below

Main Applications:

Evaluation of cardiac ECT data acquisition and reconstruction methods

Quantitative evaluation of non-uniform attenuation and scatter compensation methods

Research

Specifications:

Diameter of Teflon® rod (spine): 38 mm

Length of Teflon® rod (spine): 17.8 cm

Volumes

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

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

Left lung (w/ Styrofoam® beads): ~ 0.36 liter

Right lung (w/ Styrofoam® beads): ~ 0.44 liter

Fillable Spine Insert™

Model ECT/FIL-SPINE/I

Main Features:

- Designed to be used with either the Lung-Spine Phantom™ (Model ECT/LUNG/P) or the Anthropomorphic Torso Phantom™ (Model ECT/TOR/P)

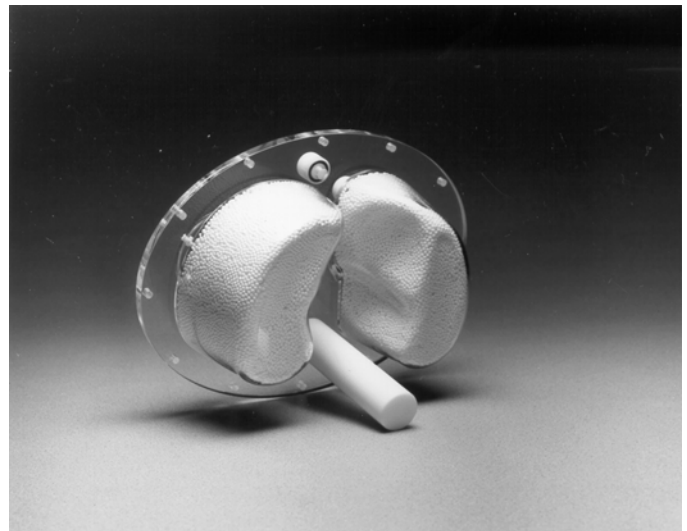
Main Applications:

- Improved spine attenuation characteristic over Teflon® rod

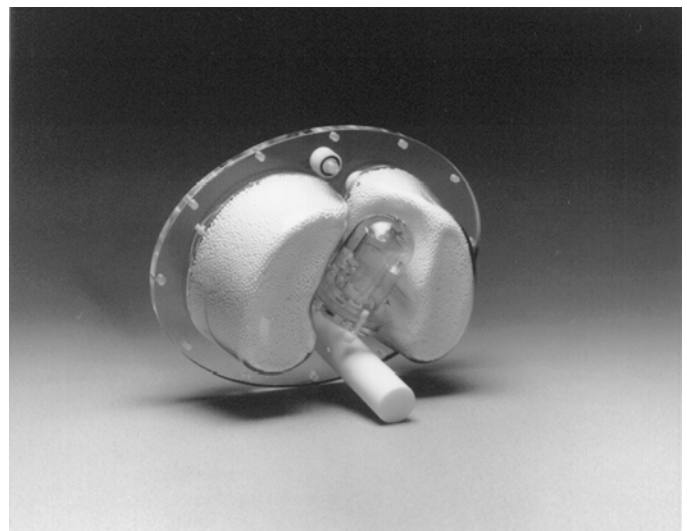
This product is available through:

JRT Associates

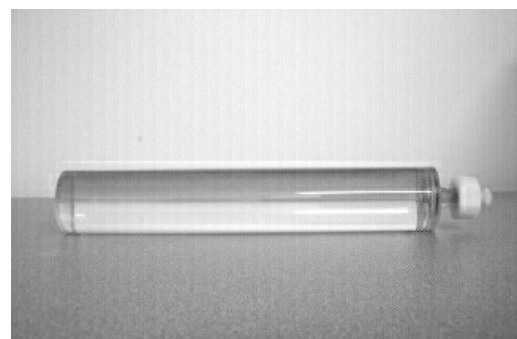
800-221-0111



Lung-Spine Phantom Lid™



Shown with optional Cardiac Insert™



Fillable Spine Insert™

Specifications:

Outside height: 17.0 cm

Inside height: 15.5 cm

Outside diameter: 3.8 cm

Inside diameter: 6 mm

Volume: 110 cc