**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 ~ 0.3 gm/cm³ 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:**
1. Evaluation of cardiac ECT data acquisition and reconstruction methods
2. Quantitative evaluation of non-uniform attenuation and scatter compensation methods
3. 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 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™**

**Spine Insert, With Liquid Bone™**

**Model ECT/FIL-SPINE/I (user filled)**
**Model ECT/BONE-SPINE/I (pre-filled)**

**Main Features:**
- Designed to be used with either the Anthropomorphic Torso Phantom™ (Model ECT/TOR/P)

**Main Applications:**
- Improved spine attenuation characteristic over Teflon® rod

**Specifications:**
- All clear material: PMMA
- Outside height: 19.0 cm
- Inside height: 15.2 cm
- Outside diameter: 4.5 cm
- Inside diameter: 3.8 cm
- Volume: ~170 cc