

# 3 Dimensional Torso Phantom

## Model 602



### **COMPLETE WITH REMOVABLE ORGANS**

The CIRS Anthropomorphic Torso Phantom is designed to provide an accurate simulation of an average male torso for medical imaging applications. The removable organs enable flexibility in the placement of TLD's, contrast agents, etc. The epoxy materials used to fabricate the phantom provide optimal tissue simulation in the 40 keV to 20 MeV energy range.

The phantom simulates the physical density and linear attenuation of actual tissue to within 2 percent in the diagnostic energy range.

Each phantom contains removable organs. Included organs are lungs, heart, liver, pancreas, kidney, and spleen. The lower portion of the phantom contains a removable soft bolus material simulating a mix of 50 percent adipose and 50 percent muscle tissue.

This insert is used to maintain the position of the organs when the phantom is placed upright. For ease of removal, the bolus is enveloped in a screen-bag. Simulated muscle material layers the rib cage and vertebral column.

The exterior envelope simulates a mix of 30 percent adipose and 70 percent muscle tissue. The phantom is sealed at the bottom by an acrylic plate. Water or blood mimicking fluid can be used to fill all the interstitial voids.

#### **Features**

- Removable lungs, heart, liver, pancreas, kidney and spleen
- Flexibility in TLD placement
- Optimal tissue simulation in the diagnostic energy range and up to 20 MeV
- Physical density and linear attenuation within 2 percent of actual tissue
- Interstitial voids fillable with water or blood-mimicking fluid
- Includes foam-lined carry case, user guide and 48-month warranty

# CIRS

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## SPECIFICATIONS

<b>OVERALL DIMENSIONS:</b>	56 cm x 38 cm x 23 cm (22" x 15" x 9")
<b>WEIGHT:</b>	52 lbs. (19.4 kg)
<b>MATERIALS:</b>	Phantom Body: Epoxy Resin Phantom Lower Portion: Soft Bolus Material, 30% Adipose & 70% Muscle Tissue

## MODEL 602 INCLUDES

QTY	DESCRIPTION
1	3 Dimensional Torso Phantom with removable lungs, heart, liver, pancreas, spleen and kidneys
1	Tubing, couplers, vacuum pump and hardware for phantom filling
1	User Guide
1	Foam-Lined Carry Case
-	60-Month Warranty