

# Tissue Equivalent CT Dose Phantoms

*Accurate dose measurements for infants to large adults*

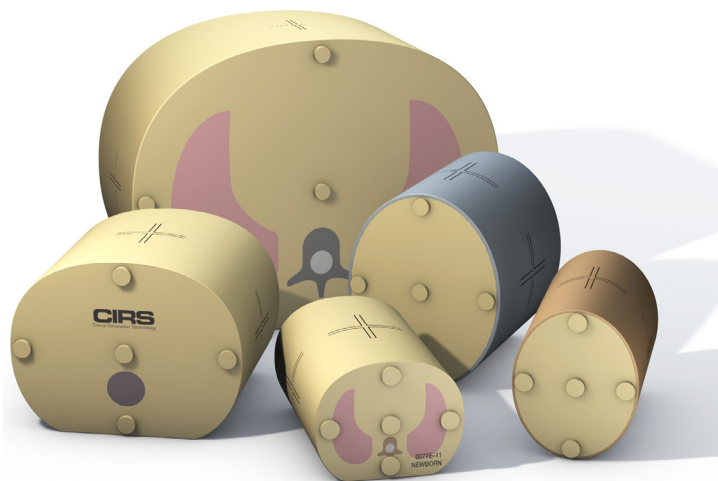
The CIRS Tissue Equivalent CT Dose Phantoms are designed to more accurately simulate the patient's anatomy in the range of sizes from small infants to large adult patients rendering more accurate and reliable CT dose data.

There are eight abdominal, eight thorax, and four head phantoms of different sizes/ages available.

The bodies of the phantoms are made from proprietary epoxy formulations that faithfully mimic the X-ray absorption and scatter properties of soft tissue or water within 1% in the diagnostic energy range.

Each CT dose phantom includes an embedded vertebral bone equivalent rod that is specifically formulated to mimic the appropriate density for patient size/age.

The thorax CT dose phantoms include vertebral bone equivalent rod and lungs. The head CT dose phantoms wrapped around with bone equivalent layer to represent



Model 007-TE

## Features

- Usable on all CT scanners
- Simulates infant to large adult patients
- Simulates head, thorax and abdominal regions
- Made from tissue equivalent epoxy
- 1.30 cm inside hole diameter sized for standard CT Dose probes

cranium bone for different patient size / age.

All the phantoms have five through-holes with an inside diameter of 1.30 cm to accommodate standard CT

dose probes and five tissue equivalent rods to plug the holes not in use. One hole is at center and four are around the perimeter, 90° apart and 1 cm from center to the outside edge of the phantom.

# Model 007-TE

## Specifications:

Model No.	Thorax & Abdominal Phantom			Thickness	Head Phantom		
	Age Group	PA Diameter	Circumference		PA Diameter	LR Diameter	Thickness
007TE-01	Newborn	9.0 cm	32 cm	15 cm	12 cm	9.5 cm	15 cm
007TE-02	1 Year Old	11.5 cm	42 cm	15 cm	16 cm	9.5 cm	15 cm
007TE-03	5 Year Old	14 cm	53 cm	15 cm	17 cm	9.5 cm	15 cm
007TE-04	10 Year Old	16 cm	61 cm	15 cm	N/A	9.5 cm	X
007TE-05	15 Year Old	18.5 cm	71 cm	15 cm	N/A	9.5 cm	X
007TE-06	Small Adult	22 cm	86 cm	15 cm	19 cm	9.5 cm	X
007TE-07	Medium Adult	25 cm	96 cm	15 cm	N/A	9.5 cm	15 cm
007TE-08	Large Adult	31 cm	116 cm	15 cm	N/A	9.5 cm	X

### Medium Adult Phantoms

Thorax

Abdomen

Head

