

Tissue Equivalent CT Dose Phantoms

Model 007TE



ACCURATE SIZE-SPECIFIC DOSE MEASUREMENTS

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.

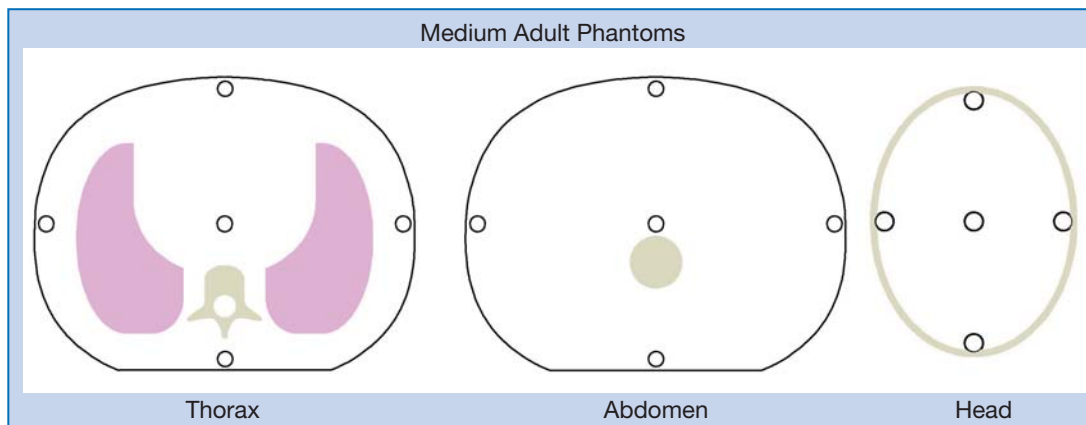
Each CT dose phantom includes an embedded vertebral bone equivalent rod that is specifically formulated to mimic the appropriate density for patient size/age.

The thorax CT dose phantoms include vertebral bone equivalent rod and lungs. The head CT dose phantoms are wrapped with a bone equivalent layer to represent cranium bone formulated for appropriate 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.

Features

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



SPECIFICATIONS

THORAX & ABDOMINAL PHANTOM

MODEL NO.	AGE GROUP	PA DIAMETER	LR DIAMETER	THICKNESS
007TE-01	Abdominal-Newborn	9.0 cm	10.5 cm	15.0 cm
007TE-02	Abdominal-1 year old	11.5 cm	14.0 cm	15.0 cm
007TE-03	Abdominal-5 year old	14.0 cm	18.0 cm	15.0 cm
007TE-04	Abdominal-10 year old	16.0 cm	20.5 cm	15.0 cm
007TE-05	Abdominal-15 year old	18.5 cm	24.0 cm	15.0 cm
007TE-06	Abdominal-Small Adult	22.0 cm	30.0 cm	15.0 cm
007TE-07	Abdominal-Medium Adult	25.0 cm	32.5 cm	15.0 cm
007TE-08	Abdominal-Large Adult	31.0 cm	38.9 cm	15.0 cm
007TE-11	Thorax-Newborn	9.0 cm	10.5 cm	15.0 cm
007TE-12	Thorax-1 year old	11.5 cm	14.0 cm	15.0 cm
007TE-13	Thorax-5 year old	14.0 cm	18.0 cm	15.0 cm
007TE-14	Thorax-10 year old	16.0 cm	20.5 cm	15.0 cm
007TE-15	Thorax-15 year old	18.5 cm	24.0 cm	15.0 cm
007TE-16	Thorax-Small Adult	22.0 cm	30.0 cm	15.0 cm
007TE-17	Thorax-Medium Adult	25.0 cm	32.5 cm	15.0 cm
007TE-18	Thorax-Large Adult	31.0 cm	38.9 cm	15.0 cm

HEAD PHANTOM

MODEL NO.	AGE GROUP	PA DIAMETER	LR DIAMETER	THICKNESS
007TE-21	Head-Newborn	12.0 cm	9.5 cm	15.0 cm
007TE-22	Head-1 year old	16.0 cm	12.0 cm	15.0 cm
007TE-23	Head-5 year old	17.0 cm	13.5 cm	15.0 cm
007TE-27	Head-Medium Adult	19.0 cm	14.5 cm	15.0 cm

MODEL 007TE INCLUDES

QTY	DESCRIPTION
1	Tissue Equivalent CT Dose Phantom Body
5	Tissue Equivalent Rods

WEIGHT:	007TE-01 - 1.2 kg (2.7 lb) 007TE-02 - 2.3 kg (4.9 lb) 007TE-03 - 3.4 kg (7.5 lb) 007TE-04 - 4.4 kg (9.7 lb) 007TE-05 - 5.9 kg (13.1 lb) 007TE-06 - 8.9 kg (19.5 lb) 007TE-07 - 11 kg (24 lb) 007TE-08 - 16 kg (35.6 lb) 007TE-11 - 1 kg (2.1 lb) 007TE-12 - 1.7 kg (3.7 lb) 007TE-13 - 2.7 kg (5.9 lb) 007TE-14 - 3.5 kg (7.7 lb) 007TE-15 - 4.7 kg (10.3 lb) 007TE-16 - 7.1 kg (15.8 lb) 007TE-17 - 8.6 kg (19 lb) 007TE-18 - 13 kg (28.4 lb) 007TE-21 - 2.8 kg (6 lbs.) 007TE-22 - 4.7 kg (10 lbs) 007TE-23 - 5.6 kg (12 lbs.) 007TE-27 - 6.7 kg (15 lbs.)
MATERIALS:	Tissue Equivalent epoxy materials

ADDITIONAL OPTIONS

PART NO.	DESCRIPTION
700-QA	CT Imaging QA Kit for ATOM® & CT Dose Phantoms

