Tissue Equivalent Abdominal CT Dose

Accurate dose measurements for infants to large adults

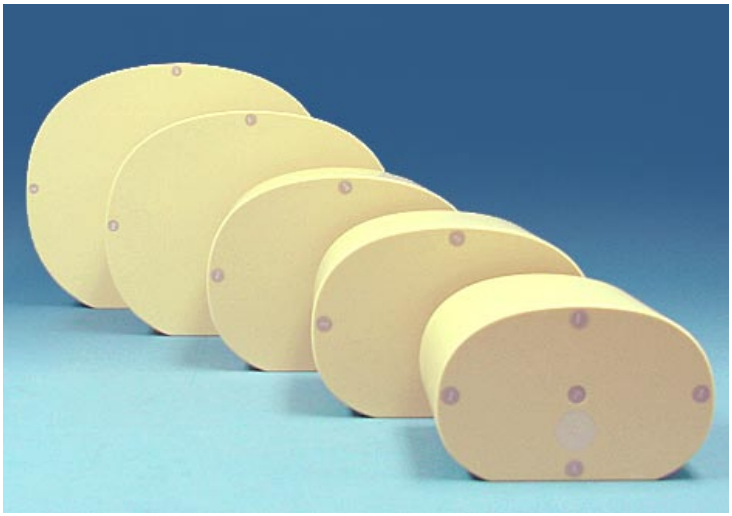
The CIRS Tissue Equivalent CT Dose Phantoms are designed to more accurately simulate the range of patient sizes from small infants to large adult patients rendering more accurate and reliable CT dose data.

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.

The set consists of eight phantoms with PA thicknesses from 9 cm to 31 cm.

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

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 hole and four are around the perimeter, 90° apart and 1 cm from center to the outside edge of the phantom.



Model 007-TE

Features

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

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Model 007-TE Specifications

Age Group	PA Thickness	Circumference
Newborn	9.0 cm	32 cm
1 year old	11.5 cm	42 cm
5 year old	14 cm	53 cm
10 year old	16 cm	61 cm
15 year old	18.5 cm	71 cm
Small Adult	22 cm	86 cm
Medium Adult	25 cm	96 cm
Large Adult	31 cm	116 cm