

Tissue Equivalent CT Dose Phantoms



Model 007TE

*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.

There are eight abdominal, eight thorax and four head phantoms in different sizes/ages available. Each phantom includes an embedded vertebral bone equivalent rod that is specifically formulated to mimic the appropriate density for 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 hole and four are around the perimeter, 90° apart and 1 cm from center to the outside edge of the phantom.

The Model 700-QA CT Imaging QA Kit is suitable for use with the 007TE. The kit provides various targets for evaluation of two important CT performance parameters: low contrast detectability and spatial resolution in soft tissues and lung regions.