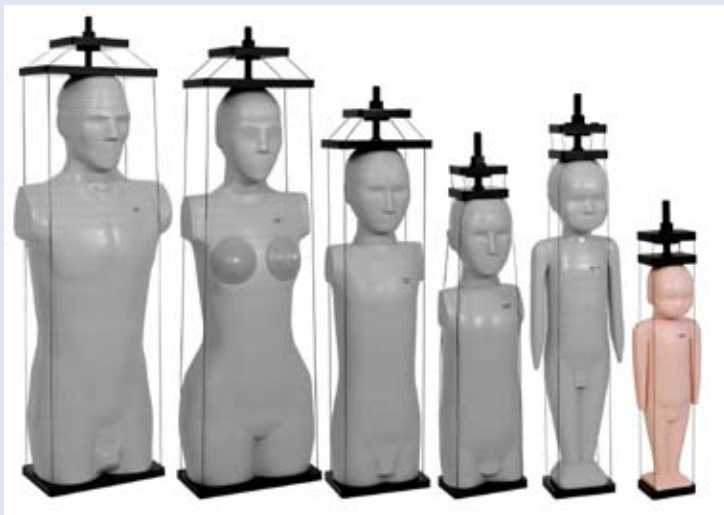


ATOM® Dosimetry Verification Phantoms

CIRS ATOM® phantoms are a full line of anthropomorphic, cross sectional dosimetry phantoms designed to investigate organ dose, whole body effective dose as well as verification of delivery of therapeutic radiation doses.



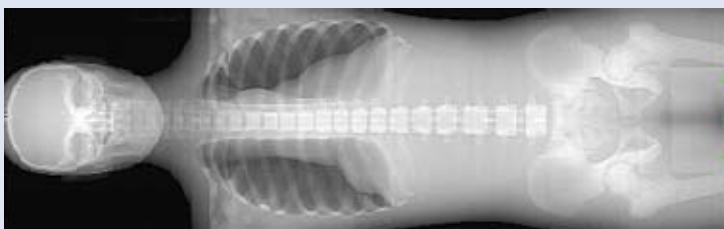
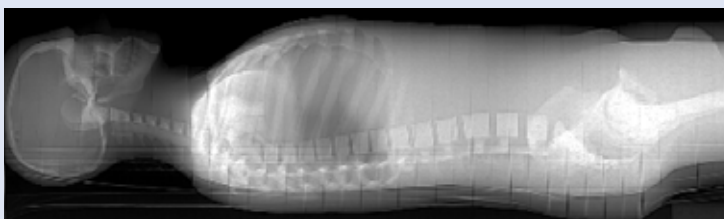
ATOM is the only line of dosimetry phantoms to range in sizes from newborn to adult. Six models are available: newborn, 1-year, 5-year and 10-year old pediatric phantoms as well as adult male and female phantoms.

Each phantom is sectional in design with traditional 25 mm thick sections. The sectional surfaces are extremely flat and smooth and do not require any special coatings or treatment. This results in minimal interfaces between the slabs when viewed in a scout or projection X-ray. The ATOM line also differs from other dosimetry phantoms by providing optimized TLD locations specific to 21 inner organs.

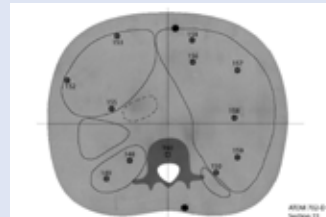
Tissue-equivalent epoxy resins are used in all aspects of the phantom. CIRS technology offers superior tissue simulation by covering a wider range of energy levels from diagnostic to therapeutic. In addition, all bones are homogenous and are formulated to represent age appropriate, average bone composition. CIRS bone formulations offer distinct advantages over natural skeletons and other types of simulated bone.

CIRS ATOM phantoms provide our best tissue simulation and the widest variety of options available on whole body cross sectional dosimetry phantoms.

LIFE-LIKE IMAGING CHARACTERISTICS



OPTIMIZED ORGAN DOSIMETRY



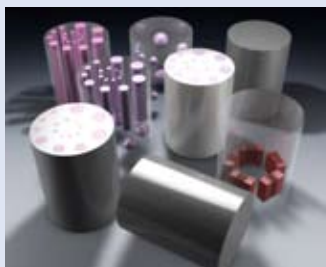
Model 702-D
Section 23 Organ Map



Model 702-D
Section 23 Organ Dosimetry Option

CIRS is the only manufacturer that offers organ hole locations specific to 21 radiosensitive internal organs that are optimized for precise calculations using the minimum number of detectors necessary.

CT IMAGING QA KIT FOR ATOM® PHANTOMS



Model 700-QA

Evaluate CT performance in anthropomorphic phantoms

The CIRS CT Imaging Kit is suitable for use in CIRS ATOM dosimetry phantoms and CIRS 007TE Tissue Equivalent CT Dose Phantoms, which are already used widely for CT dosimetry. The inserts contained in the kit are designed to investigate correlation between the image quality and CT doses. 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.