

Cube Phantom

The most convenient device for routine QA and IMRT applications

The CIRS Model 009 Cube 20 Phantom was designed for routine QA in RT and IMRT applications where ease of use and quick set-up are important. The Cube 20 phantom is manufactured from Plastic Water® DT which faithfully mimics water within 1% from 50 keV to 25 MeV. This enables complete QA from CT image acquisitions to therapy dose verifications. The 20 cm cubic dimension was chosen as a suitable approximation for both head/neck and torso treatments. All the edges are rounded to avoid CT artifacts.

Chamber, diode or MOSFET detectors are easily positioned at isocenter of the cube and laser alignment marks on all sides facilitate precise positioning of the phantom. Detector position can be adjusted in 1 mm increments longitudinally and 5 mm increments for lateral and elevational adjustments.

Ready-Pac film can be inserted in the Cube. By rotating the cube, the film is easily set in sagittal, coronal or transverse orientations. Stainless steel fiducials are



Model 009

clearly resolvable on CT images and leave small indentations on the film for precise film to plan registration.

Upon request, a recess can be milled in the interface surface for darkroom loading of radiographic film 5 X 6".

Features

- Routine patient QA
- Beam constancy checks
- MLC QA
- User friendly set-up and positioning
- Suitable for head/neck and torso treatments
- Mimics water within 1%

Model 009 Specifications

Size 20 cm x 20 cm x 20 cm

Lateral Spacers: 0.5 cm, 1 cm, 2 cm

Elevational Spacers: 0.5 cm, 1 cm, 2 cm

