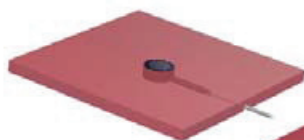


## WATER EQUIVALENT

Virtual Water is an ideal alternative to traditional water tanks for performing routine QA checks of a linear accelerator using photon or electron beams

Parallel Plate Slab



Thimble Slab



# VIRTUAL WATER

### ● CUSTOM CAVITIES AVAILABLE

Cavities are available in slabs at least 2 cm thick to accommodate most Farmer-type or parallel plate ionization chambers. Optional scribe lines are available for laser alignment.

### ● TESTED AND CALIBRATED

Virtual Water is a true water-equivalent material. Slabs from this unique material are exceptionally strong and will not stick together when stacked or stored. Virtual Water is not affected by changes in humidity or temperature and does not exhibit charge storage effects, a problem common in other water-equivalent materials. Each production run of Virtual Water is tested at an independent calibration laboratory and certified to be within 0.5% of water at photon energies.

### ● SETTING THE STANDARD IN WATER-EQUIVALENCY

Virtual Water slabs are made from water-equivalent material, and are developed to be free of contaminants and air. Many standard sizes and thicknesses are available and custom phantoms are available upon request.

### ● VIRTUAL WATER SPECIFICATIONS

Density: 1.03 g/cm<sup>3</sup>  
 Thickness tolerance: +/- 0.15 mm  
 Length and width tolerance: +/- 0.5 mm  
 Physical form: square slabs (standard)  
 Sizes Available: 20 cm, 30 cm, 40 cm (standard)  
 Thicknesses available: 0.2 cm, 0.3 cm, 0.5 cm, 1.0 cm, 2.0 cm, 3.0 cm, 4.0 cm, 5.0 cm, 6.0 cm (standard)  
 Flatness: 0.2 mm  
 Batch Consistency: +/- 0.02% (measured)

ORDERING  
INFORMATION

VIRTUAL WATER Call **800.261.4446** for more info