

Long term reputation in the medical industry.

Assurance we will offer competitive pricing.

Customer service #1 priority.

One Stop.

LACO Inc.

can do it all!



## Plastic Water®

*Calibrate photon and electron beams within 0.5% of true water dose*

### Features:

- Available in 1 mm thickness
- Easy to machine
- Un-breakable
- FIVE year written Warranty
- Film Dosimetry Cassettes are available

### Plastic Water® LR - 15 keV - 8 MeV

Use for such things as dose evaluation for low energy brachytherapy sources or CT dose verification <sup>(1)</sup>

### Plastic Water® DT - 50 keV - 25 MeV

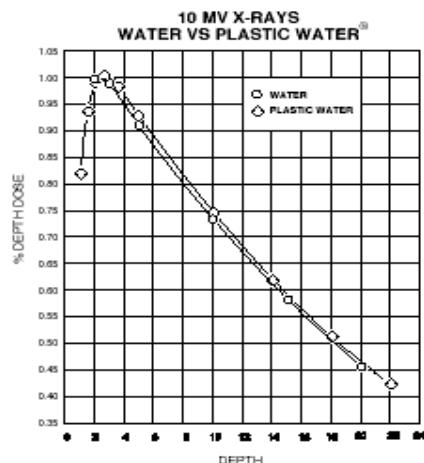
Use for special applications requiring exposures to both diagnostic and therapeutic energies such as radiation therapy planning and dose verification in IMRT <sup>(1)</sup>

### Plastic Water® - The Original - 150 keV - 100 MeV

Permits calibration of photon and electron beams within 0.5% of true water dose. Ideal for routine beam constancy checks. <sup>(1)</sup>

Unlike other water equivalent plastics on the market, Plastic Water® is flexible and will not break under impact. Plastic Water® is the only calibration material available in 1 mm thicknesses. Plastic Water® is the only material which agrees with true water within 0.5% above 7 MeV.

Custom cavities are available to accommodate any ion chamber on the market (simply provide the make and model of the your ion chamber or a detailed drawing when ordering). Water is the most important reference material in Medical Physics. To accurately simulate water overall energy from 10 keV to 100 MeV with a singular solid materials is one of the more challenging tasks in the field of Tissue Simulation. CIRS water equivalent materials are formulated to mimic within 1% or better for specific energy ranges.



(1) References available upon request

