



Standard Grade Solid Water[®]

GAMMEX 457

Gammex 457 Solid Water[®] mimics the absorption characteristics of water more closely and over a wider range of energies than any other product. Solid Water[®] makes radiation beam calibration easier than ever and is specifically designed for photon and electron beam measurements.

Solid Water[®] is perfect for achieving calibrations within 1% of the true water dose and additional uses include relative ionization calibration, depth dose measurements and absolute calibrations.

Gammex Solid Water[®] scatters and attenuates radiation in the same way as water, and can be easily machined

to accommodate custom applications. Solid Water[®] does not adhere to surfaces or other slabs, and the rigid construction eliminates broken ion chambers. Slabs are carefully molded and accurately machined into standard dimensions and customized phantoms per customer request. Gammex also has the ability to provide ion cavities in slabs of 2.0 cm thickness or greater to accommodate most commercially available ion chambers found in the field.

Solid Water[®] is available in 20x20 cm, 30x30 cm, and 40x40 cm slabs. Thicknesses range from 0.2 to 6.0 cm.

continued

Gammex



GAMMEX 457

RADIATION ONCOLOGY

continued from front...

Convenient packages of Solid Water® kits are also available in the following sizes:

Gammex 457-Kit 4.5

- 2 ea 0.2x30x30 cm slab
- 2 ea 0.3x30x30 cm slab
- 1 ea 0.5x30x30 cm slab
- 1 ea 1.0x30x30 cm slab
- 1 ea 2.0x30x30 cm slab with chamber cavity

Gammex 457-Kit 18.5

- 2 ea 0.2x30x30 cm slab
- 2 ea 0.3x30x30 cm slab
- 1 ea 0.5x30x30 cm slab
- 1 ea 1.0x30x30 cm slab
- 2 ea 2.0x30x30 cm slab
- 1 ea 4.0x30x30 cm slab
- 1 ea 6.0x30x30 cm slab
- 1 ea 2.0x30x30 cm slab with chamber cavity

Gammex 457-Kit 21.5

- 2 ea 0.2x30x30 cm slab
- 2 ea 0.3x30x30 cm slab
- 1 ea 0.5x30x30 cm slab
- 1 ea 1.0x30x30 cm slab
- 1 ea 2.0x30x30 cm slab
- 3 ea 5.0x30x30 cm slab
- 1 ea 2.0x30x30 cm slab with chamber cavity

SPECIFICATIONS

- Density 1.04 g/cm³
- Thickness
- Tolerance nominal, ±0.20 mm (0.008 in)
- Length and Width
- Tolerance ±1.0 mm (0.020 in)
- Physical Form . . . Square slabs (disks and other shapes upon special request)
- Flatness 0.2 mm (0.008 in)
- Sizes 20x20 cm, 30x30 cm and 40x40 cm (other sizes upon special request)
- Thicknesses 0.2 cm to 6.0 cm