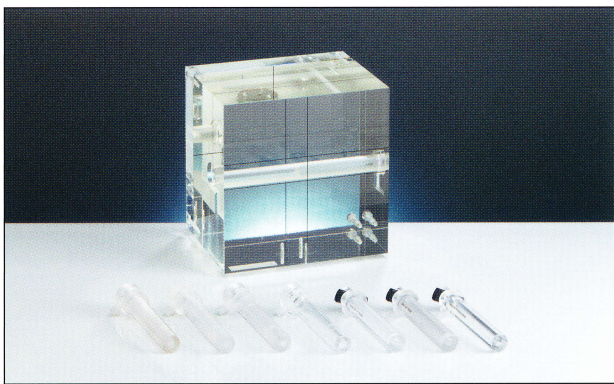


ICRU Acrylic Calibration Phantom



Acrylic block phantom according to ICRU 23¹, suitable for tip-to-tip calibrations of therapy chambers

Features

- ▶ Suitable for chamber calibration in high energy beams
- ▶ Complies with ICRU 23¹ for determination of absorbed dose rate
- ▶ Makes it possible to calibrate chambers using the tip-to-tip or the replacement method
- ▶ A variety of chamber adapters is available

The solid state phantom type 2966 is designed according to ICRU report 23¹ and consists of a 200 mm x 200 mm x 120 mm acrylic block with a chamber hole and a 200 mm x 200 mm x 30 mm plate. The phantom makes it possible to place thimble chambers in measuring depths of 50 mm, 70 mm and 100 mm. The reference chamber and the chamber under calibration can be placed in the phantom tip-to-tip and irradiated simultaneously, which is the preferred calibration method if both chambers are of the same type. A variety of adapters for a number of ionization chamber types is available. The phantom has a 3/8 inch thread by which it can be mounted on a tripod to avoid backscatter radiation.

¹ ICRU 23: Measurement of Absorbed Dose in a Phantom Irradiated by a Single Beam of X or Gamma Rays, January 1973.

Ordering Information

T2966 Acrylic block phantom

Option

Chamber adapters upon request

- ▶ Radiation Detectors *page 16f.*