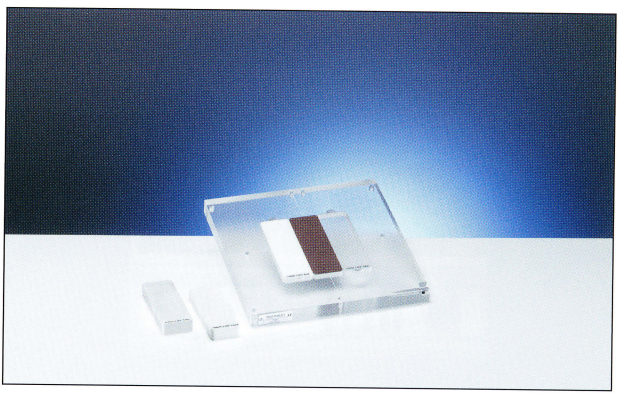
Inhomogeneity Phantom



Inhomogeneity phantom mimicking body like inhomogeneities for dose measurement

Features

- Inserts are mimicking tissue, bone, lung
- Dose measurement with ionization chamber, film or OCTAVIUS Detector 729
- Inserts fit into a slab phantom

The IMRT Inhomogeneity Phantom is used to verify basic data of a radiotherapy treatment planning system (TPS). The corrections of the TPS for inhomogeneities are verified by the phantom.
The IMRT Inhomogeneity Phantom is composed of a base plate and five inserts of four different materials. Three inserts are mimicking inhomogeneities in the human body (1 x bone, 1 x tissue, 1 x lung). Two inserts are made of acrylic glass (PMMA).
The phantom can be placed on the bottom part of the Universal IMRT phantom T40020.1.010 for use with film or ionization chambers or on the OCTAVIUS Detector 729 or it can be placed on a 30 cm x 30 cm slab phantom.
The size of the Inhomogeneity Phantom is 30 cm x 30 cm x 2.5 cm. The inserts can be exchanged according to the users requirements. The IMRT Inhomogeneity Phantom is not a CT test phantom. The Hounsfield units of the phantom must be determined by a CT scan.

Ordering Information

T40037 Inhomogeneity Phantom

- IMRT Universal Phantom *page 61*
- OCTAVIUS Detector 729 *page 57*