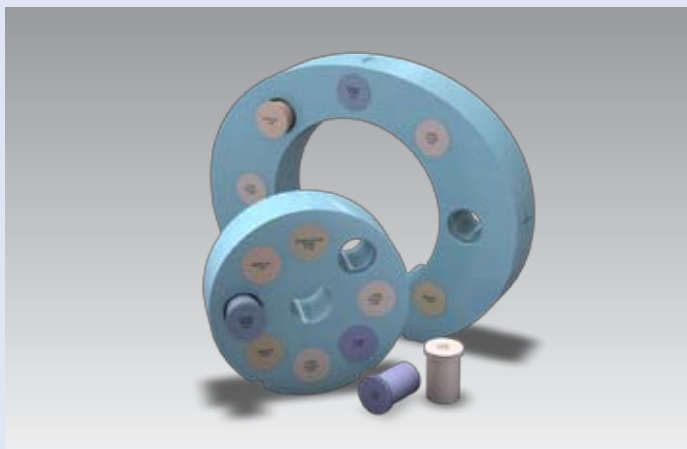


Electron Density Phantom



Model 062M

Correlate CT number and tissue electron density

The Electron Density Phantom, Model 062M, is used to correct for tissue inhomogeneities in radiotherapy treatment planning. The phantom is used with a CT scanner to provide precise correlation between electron density of tissues and their CT number in Hounsfield units (HU).

The Model 062M consists of 2 nested disks made from Plastic Water®-LR. They can represent both head and abdomen configurations. Nine different tissue equivalent electron density plugs can be positioned at 17 different locations within the scan field. Included is a water vial plug that can be filled with any fluid or solid material.

Optional distance marker plugs enable quick assessment of the CT scanner's distance measurement accuracy.

Features:

- Evaluate CT scan data
- Correct for inhomogeneities
- Document relationship between CT number and tissue electron density
- Simulate indicated tissue within the diagnostic energy range
- Quick assessment of distance registration

