

IMRT Head & Torso Freepoint Phantom



Model 002H9K

The Model 002H9K can be configured for torso, head & neck setups. The phantom simulates the patient through the entire IMRT process from CT data acquisition and planning to delivery and dose verification.

The Freepoint phantom, allows any point dose location to be selected within a diameter of 11.2 cm by adjusting two rotating cylinders. Lung and bone equivalent rods can be positioned at any location within the circular area for assessment of heterogeneity correction. The Model 002H9K was designed in collaboration with David D. Loshek PhD.

Model 002H9K Includes:

Qty	Description
1	Water equivalent homogeneous torso section torso section with cylindrical inserts (15 cm)
2	Spacer slabs, 2 cm
1	Spacer slab, 1 cm
1	Spacer slab, 10 cm
4	Water equivalent solid rod inserts
1	Bone equivalent solid rod insert
1	Set of CT to film fiducial markers
1	Alignment base
1	Holding device



Head and Neck
configuration

Features:

- Ionization chambers, TLD, MOSFET and Diodes easily positioned using interchangeable rods*
- Choose any point dose location by rotating the cylinders
- Use radiographic Ready-Pack film or GAFCHROMIC®
- Close placement of detectors to film improves film calibration
- CT - film markers ensure accurate film to plan registration
- Surfaces are marked with indices for precise alignment
- Configure with or without heterogeneities