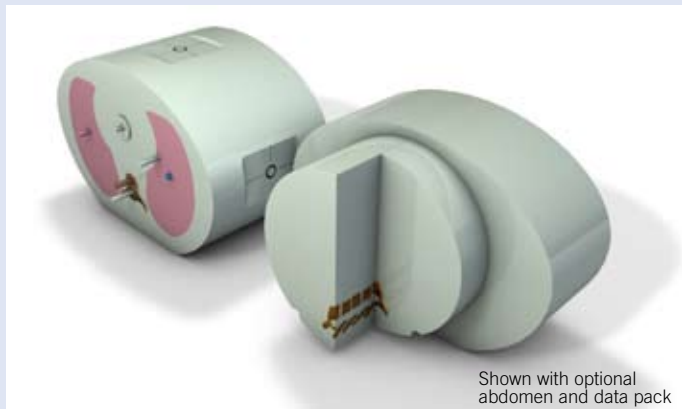


E2E™ SBRT Phantom



Shown with optional abdomen and data pack

Model 036

“End to End” SBRT testing solution

The SBRT phantom is a single tool for end-to-end localization assessment and dosimetric evaluation for use on both SRS Frame-based and IGRT systems.

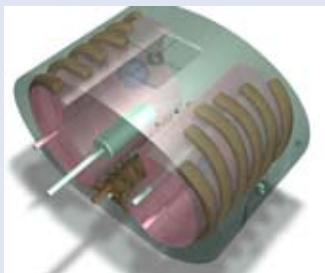
The high dose per fraction associated with stereotactic body radiation therapy (SBRT) necessitates a high degree of accuracy in target localization and dose delivery. The E2E™ SBRT Phantom provides a means to check the entire treatment chain during commissioning and routine QA.

The Model 036 consists of a thorax body containing highly anthropomorphic internal anatomy including articulated spine, ribs, and lungs. All materials are suitable for use in kV and MV energies. The phantom provides two lung tumor volumes with ion chamber cavities in center of each target. Additional ion chamber cavities are provided in spinal cord, vertebra body and lung/soft tissue interface. The surface of the thorax body is machined with concentric circle targets, point targets and alignment marks for daily system checks.

An optional abdominal section is also available that can accommodate a data pack for film dosimetry or CBCT Image Quality phantom (CIRS Model 062MQA-35) and provides extra bolus to allow non-coplanar dose assessments.

Features:

- Thorax with articulated spine, ribs and lungs
- Optional Abdomen with Data Pack
- High Resolution Anthropomorphic Characteristics
- Center point fiducial and offset target for daily system checks
- Succinct tool for commissioning an SBRT program
- Excellent test environment for Monte Carlo dose calculation verification
- Supports use and testing of Image Guidance capabilities
- Facilitates SBRT planning and delivery for Lung, Liver, and Spine treatments



A CIRS AND IMT JOINT DEVELOPMENT PROJECT