



**The set includes a wide range of phantoms for system evaluation, and individual phantoms are also available for separate purchase:**

- **CT Dose Phantom:** This phantom includes a water-equivalent background and is designed to accommodate a standard pencil ionization chamber in the central bore for dose measurements.
- **Water Phantom:** Pre-filled with distilled water, this phantom provides a consistent, homogeneous background for testing and calibration.
- **Point Spread Function (PSF) Phantom:** This phantom enables evaluation of both the Point Spread Function (PSF) and Modulation Transfer Function (MTF). It contains two wires – one positioned at the center, and another offset to assess image quality in both the central and peripheral regions.
- **Multi-Layer Phantom (Defrise):** Featuring high-density disks separated by 3mm layers of low-density material, this phantom is ideal for evaluating artifacts in reconstruction algorithms.
- **Hydroxyapatite (HA) Phantom:** Designed to replicate the properties of high-density bone, this phantom contains five cylindrical inserts made of varying densities of calcium hydroxyapatite (CaHA), with a water background for accurate tissue simulation.
- **Low Contrast Phantom:** This phantom mimics low-density bone and comes with a water background, ideal for assessing contrast resolution in CT imaging.

## COMPLETE PERFORMANCE ASSESSMENT FOR MICRO CT SYSTEMS

The Micro CT QA Phantom Set is designed for the precise assessment of Micro CT imaging systems and research applications. Its versatile design allows for comprehensive evaluations, ensuring consistent image quality and reliable diagnostic results. With customizable sizing and individual phantom availability, this kit is tailored to meet the needs of diverse Micro CT setups. The Micro CT QA Phantom Set offers everything you need for precise and reliable Micro CT system quality assurance, ensuring superior imaging and diagnostic accuracy.

## Specifications

- Standard Diameter: 32 mm
- *Custom diameter options available upon request*

## Accessories

- Comprehensive Product Manual
- Sturdy Carrying Case

## Model Numbers

**QA-MCT010:** Micro CT QA Phantom Set

**QA-MCT011:** CT Dose Phantom

**QA-MCT012:** Water Phantom

**QA-MCT013:** Point Spread Function (PSF) Phantom

**QA-MCT014:** Multi-Layer Phantom

**QA-MCT015:** Hydroxyapatite (HA) Phantom

**QA-MCT016:** Low Contrast Phantom

