

# Image-Guided Abdominal Biopsy Phantom

Model 071A



## ***CT/ ULTRASOUND/ MRI IMAGE FUSION • LIVE SCANNING• BIOPSY TRAINING***

The Model 071A, Image-Guided Abdominal Biopsy Phantom is a simplified abdominal phantom suitable for training and demonstrating image-guided needle biopsy navigation tools or procedures that require a constant visual reference for needle placement. Because it is constructed of a self-healing formulation of Zerdine, the phantom allows multiple biopsy insertions with minimal needle tracking.

The phantom contains 11 randomly positioned lesions, with sizes ranging from 8 to 12 mm. It also includes simulated spine, ribs, and a 25 mm lesion near the vertebrae.

The lesions and spine are visible under ultrasound, CT and MRI. The solid polymer gel background is anechoic and will not leak with punctured.\*

The phantom includes a foam lined hard carry case. For users interested in image fusion studies, the phantom can be purchased as a kit to include a serial-number specific CT

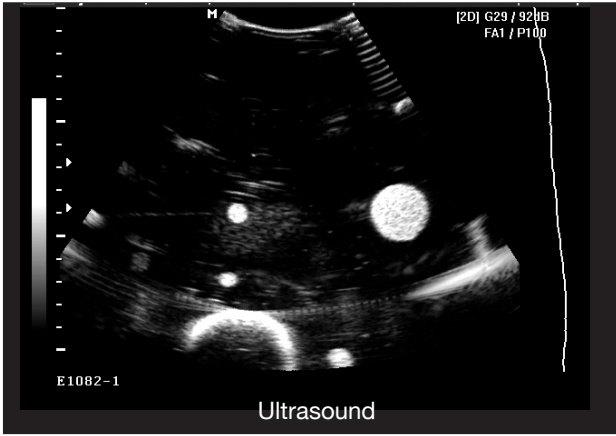
DICOM Data set for reference. CIRS can also offer value-added options and services such as phantom specific CMM, attachment of customer specific registration devices and inclusion of special point markers.

### ***Benefits***

- Improve performance of freehand abdominal biopsies
- Test new equipment
- Validate automated biopsy systems
- Suitable for CT, MRI and Ultrasound

<sup>(1)</sup>US Patent #5196343

\*NOTE: Some permanent tracking may be evident if debris and air bubbles are entrained in the gel during the biopsy procedure. To extend the lifetime of the phantom, the use of higher gauge needles that have been wetted and de-aired prior to insertion is recommended.



SPECIFICATIONS

DIMENSIONS	28 cm x 20 cm x 12.5 cm (11" x 7.9" x 4.9")
PHANTOM WEIGHT	5.5 kg (12.1 lb)
MATERIALS	Background: Zerdine®, 1550m/s (nominal) Ribs & Vertebrae: Epoxy Scan Surface: Urethane Masses: Zerdine, soft tissue
MASSES	Large Mass: 25 mm Diameter Qty: 1 Positioned near vertebrae  Other Masses: 8-12 mm Diameter Qty: 11 Randomly positioned in Background

MODEL 071A INCLUDES

QTY	COMPONENT DESCRIPTION
1	Image-Guided Abdominal Biopsy Phantom
1	User Guide
-	6-Month Warranty

MODEL 071A-035 KIT INCLUDES

QTY	COMPONENT DESCRIPTION
1	Triple Modality 3D Abdominal Phantom
1	User Guide
-	6-Month Warranty

