

Model L-057

Triple Modality 3D Abdominal Phantom



Ludlum Measurements, Inc.



Introduction

The CIRS Triple Modality 3D Abdominal Phantom is constructed of a self-healing formulation of Zerdine® that allows multiple biopsy insertions with minimal needle tracking, and is ideal for demonstrating image-guided navigation technologies.

Abdominal imaging is useful for diagnosing disease and monitoring treatments. The Model 057 is representative of a small adult abdomen and can be imaged under CT, MR and ultrasound. This feature makes the phantom a useful tool for a variety of applications such as image fusion studies, developing imaging protocols, training of different scan techniques and system testing, validation and demonstration.

The Model 057 simulates the abdomen from approximately the thorax vertebrae (T9/T10) to the lumbar vertebrae (L2/L3) using simplified anthropomorphic geometry. The materials provide contrast between the structures under CT, MRI, and ultrasound.

Internal structures include: liver with lesions and portal vein, two partial kidneys each with a lesion, partial lung surrounding the liver, abdominal aorta, vena cava, simulated spine and six ribs. A muscle layer and outside fat layer surround these structures and plastic end caps make the phantom durable enough for extended scanning.

Specifications

Part Number 99-9019

HEIGHT: 19 cm (7.5 in.) (thickness)

WIDTH: 26 cm (10.2 in.)

LENGTH: 12.5 cm (4.9 in.)

MATERIAL: ABS housing, urethane outer fat layer and lungs, epoxy resin hard tissue, Zerdine® gel soft tissues

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556

Web: <http://www.ludlums.com> **Tel:** 800-622-0828 / 325-235-5494 / **Fax:** 325-235-4672 / **Email:** sales@ludlums.com

Note: specifications subject to change without notification. We are not responsible for errors or omissions.

March 2019