

# Breast Elastography Phantom

Model 059



ZERDINE<sup>®</sup> Inside  
A registered trademark of CIRS

## THE PERFECT DEMONSTRATION TOOL FOR SONOELASTOGRAPHY

The Model 059 accurately mimics the ultrasonic characteristics of tissues found in an average human breast. The size and shape of the phantom simulates that of an average patient in the supine position. Protected by a membrane, the phantom's Zerdine<sup>®</sup>1 simulates needle resistance.

The phantom contains several solid masses that appear slightly hypoechoic to the simulated breast tissue under normal ultrasound, but the lesions are at least two times stiffer than the background so they can be detected on elastography. Lesions range in size from 3 to 10 mm in diameter, are randomly positioned throughout the background, and can be biopsied 3 times.\*

A special holding tray facilitates proper hand position during the training procedures.

### Features

- Improve hand-eye coordination
- Test new equipment
- Experiment with new techniques
- Instruct others
- Contains solid lesions which can be biopsied

<sup>1</sup>US PATENT# 5196343

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**CIRS**  
Tissue Simulation & Phantom Technology



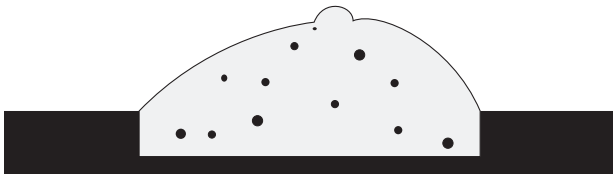
Normal Ultrasound Image

SPECIFICATIONS

TRAY DIMENSIONS:	22.5 cm x 20.0 cm (9" x 8" )
PHANTOM WEIGHT & SIZE:	600 cc (14 cm x 12 cm x 7.5 cm)
MATERIAL:	Zerdine

MATERIAL	COLOR	SIZE	QTY	POSITION
Dense Masses	Blue	10 mm	3	Random
		8 mm	3	
		6 mm	2	
		4 mm	2	
		3 mm	2	
Background	Pink			

The elasticity of each dense mass is at least two times greater than the elasticity of the background, which has an elastic modulus of approximately 10-15 kPa.



MODEL 059 INCLUDES

QTY	COMPONENT DESCRIPTION
1	Breast Elastography Phantom
1	Carry Case
1	User Guide
-	12-Month Warranty**

\* It is important to understand that the Model 059 is a disposable product. Although the material can be punctured to demonstrate biopsy techniques, each mass can only withstand core biopsy until the lesion is destroyed.

\*\*Please note: once any device has been inserted into the phantom (such as biopsy needles, localization wires, etc.) the 12 month warranty will not cover claims related to material desiccation or needle tracking.