

US-9

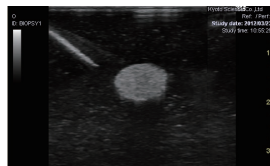
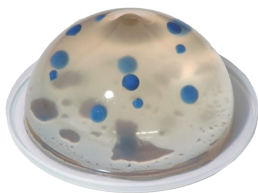
11387-000, 100, 200



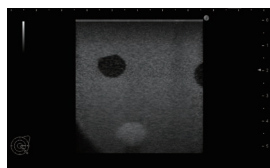
# Ultrasound-Guided Breast Biopsy Phantom

## Basic (Transparent)

Hand-eye coordination



## Advanced (Opaque)

Acquisition of skills in safe and reliable needle biopsy  
Contains both hyperechoic and hypoechoic targets

## Enhance confidence in performing safe and accurate breast biopsies

Combine two types of breast phantoms for step-by-step development of skills in needle biopsy

### FEATURES

- 1 | Fine Needle Aspiration Biopsy (FNAB), Core Needle Biopsy (CNB) and Mammotome biopsy can be performed under ultrasound guidance
- 2 | Realistic breast tissues that simulate the softness and resistance of the mammary gland
- 3 | Targets are colored to confirm successful sampling

### SKILLS

- | Hand-eye coordination in ultrasound biopsy
- | Localization of targets under ultrasound guidance
- | Sampling of target

### DESCRIPTIONS

#### SPECIFICATIONS

Size: 16 dia. x H8 cm / 6.3 dia. x H3.2 in. each Weight: 0.75kg / 1.7 lbs each

Target size: 6 and 10mm dia. each

Target type and number:

Basic Phantom: 12 x hyperechoic targets (blue)  
Advance Phantom: 6 x hyperechoic targets (blue)  
6 x hypoechoic targets (red)

#### SET INCLUDES

- 1 | pair of phantoms
- 1 | instruction manual

#### MATERIALS

Hydrogel  
Latex free

#### SET VARIATIONS

Duo set: 11387-000	transparent + opaque type
Transparent set: 11387-100	1 pair of transparent type
Opaque set: 11387-200	1 pair of opaque type

\* Ultrasound scanner is not included.

US-4

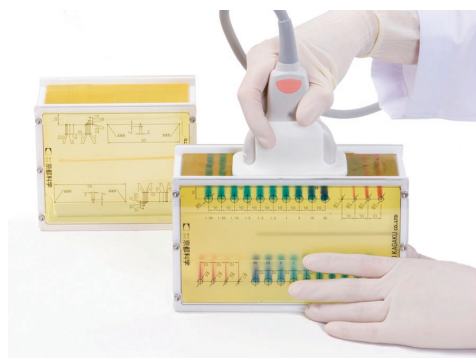
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# Breast Ultrasound QA Phantom

## Ensure highly detailed images for reliable breast cancer examinations

Ultrasound QA phantom for high precision imaging in the high frequency sonography, typically around 10 MHz, required in breast examination  
For monthly basic quality check of ultrasound images along with longer term quality assurance to maintain consistency in performance of scanners and transducers



### Mass targets block

Sonic velocity: 1434 m/sec at 25°C  
Attenuation coefficient: 0.59 dB/cm MHz at 25°C  
Acoustic impedance: 1.37 rayl at 25°C  
Integrated targets: gray scale targets/ cyst targets

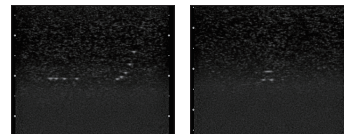
### Mass targets block (contrast resolution)



### Dot targets block

Sonic velocity: 1442 m/sec at 25°C  
Attenuation coefficient: 0.73 dB/cm MHz at 25°C  
Acoustic impedance: 1.39 rayl at 25°C  
Integrated targets: dot targets/ 45 degrees line target

### Dot targets block (spatial resolution)



### DESCRIPTIONS

#### SPECIFICATIONS

Size: mass targets block phantom size: 18 x 7.5 x 11 cm / 7.2 x 3 x 4.4 in.  
dot targets block phantom size: 13.5 x 7.5 x 11 cm / 5.4 x 3 x 4.4 in.

Weight: Mass 1.3kg / 2.7lbs

Dot 1.0kg / 2.2lbs

#### SET INCLUDES

- 1 | mass targets block
- 1 | dot targets block
- 1 | thermometer
- 1 | storage case
- 1 | instruction manual

#### MATERIALS

Urethane elastomer,  
acryl, nylon  
Latex free