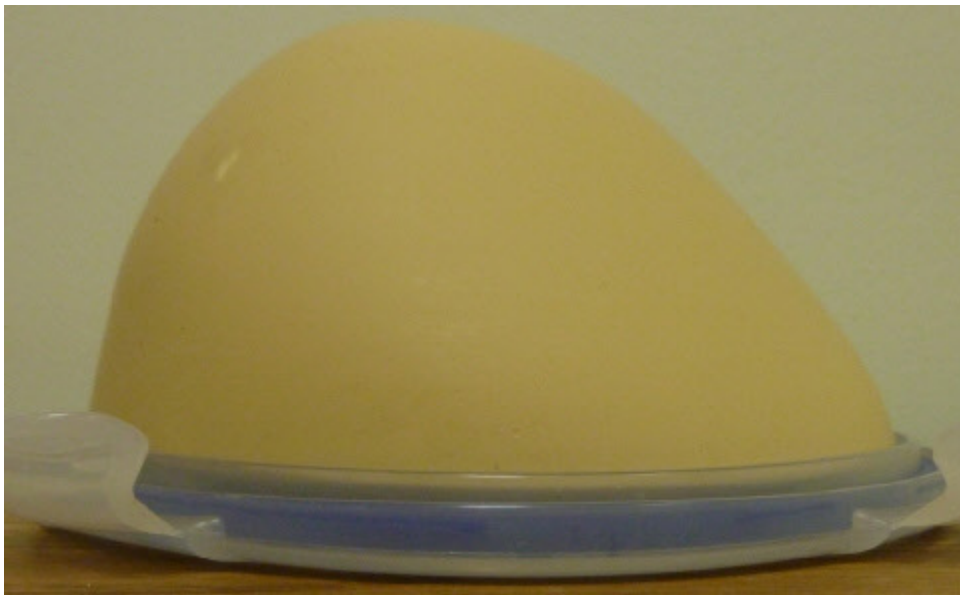


YGIYEZITRONIX GROUP INC
Phantom Technologies
Medical Simulation & Training
www.yezitronix.com

YEZITRONIX Multi-modality Breast Phantom

Most Accurate Breast Phantom & Surrounding Tissues



Breast phantom with removable base

Yezitronix's Multi-modality Breast Phantom model (Ultrasound, CT, MRI) **B-MM – 1.2** is suitable for:

MRI, CT, US imaging, fine needle aspiration training, guided needle biopsy procedure, robotic applications, testing, teaching and demonstration

The breast phantom construct mimics average 3D shape, size, mechanical properties and ultrasound echogenicity of a human breast.



Ultrasound images of breast phantom lesions and cysts

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Multi-layer material – each tissue (fat, cysts or lesions) is independent and has its own characteristics defined by a real 3D shape, gray level and mechanical properties.

Multi-Modality – the breast phantom construct can be scanned with Ultrasound, CT or MRI

There are embedded cysts and lesions in the breast phantom to simulate biopsies or needle aspiration procedures.

Multiple usages of the same packaged breast phantom during an extended period of time (needle tracks faint with time).

Breast dimension:

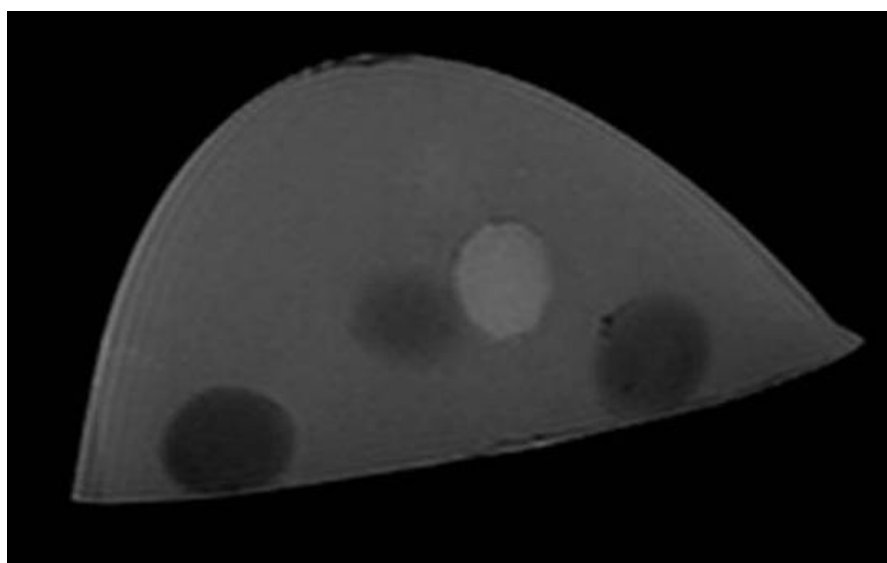
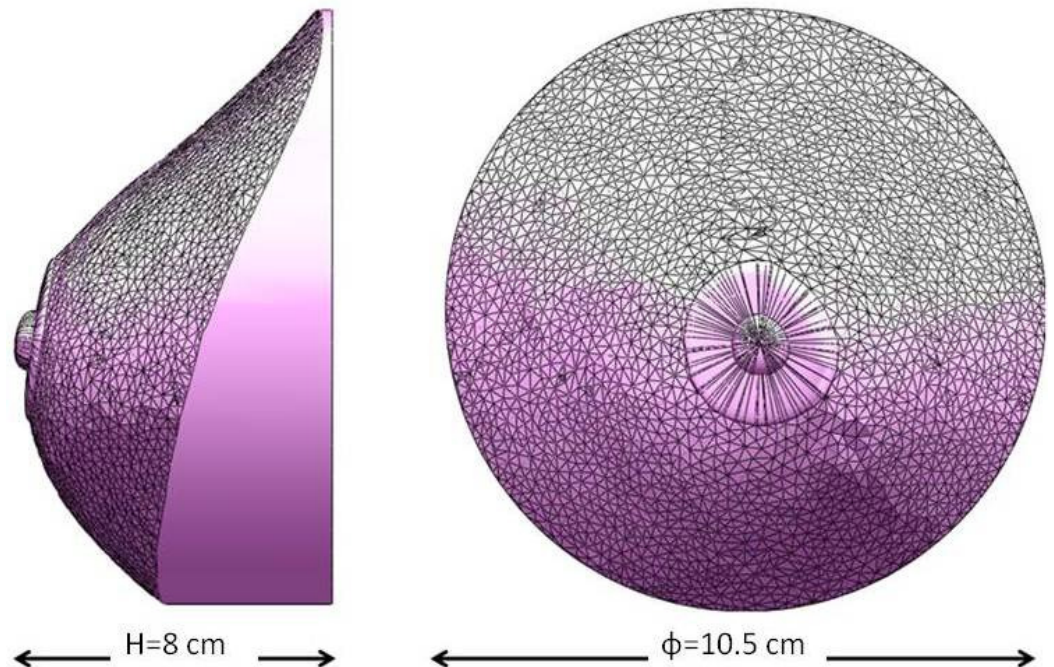
Diameter: 10.5 cm

High: 8.0 cm

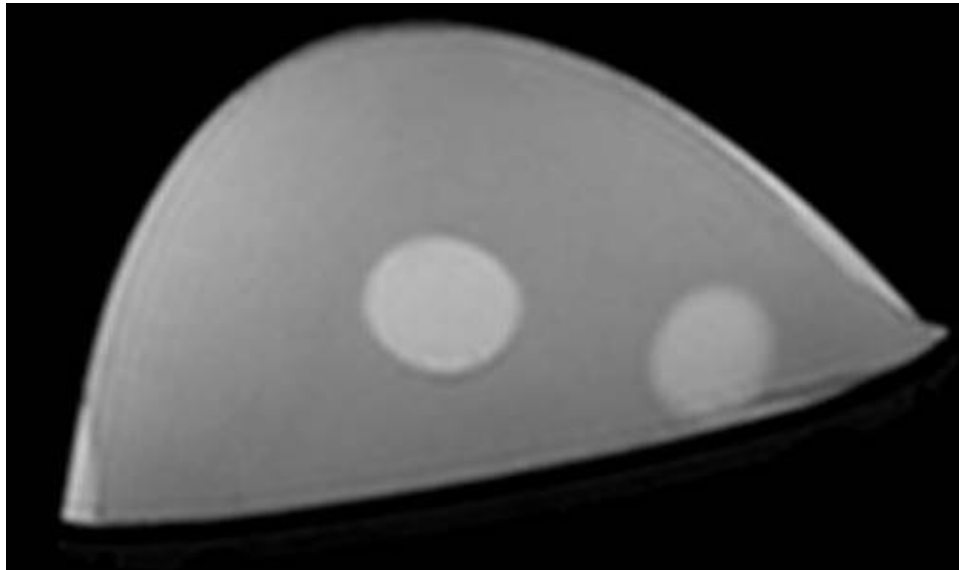
Enclosure dimension:

Diameter: 15.5 cm

High: 8.3 cm



MRI image of breast phantom shows 3 lesions and 1 cyst



MRI image of breast phantom shows 2 cysts

Available models:

- a. Regular model with cysts and lesions is: **B-RG-1.2**
- b. Multi-modality model (Ultrasound, CT, MRI) is: **B-MM – 1.2**
- c. With extra cysts and lesions is: **B-EX – 1.2**
- d. Coloured components (Cysts, lesions) for biopsy training is: **B-CC - 1.2**
- e. Custom design according to customer specifications is: **B-CD – 1.2**

All components are based on Yezitronix's new unique
MajesticMix material. Speed~ 1540m/s