

18-228 and 18-229-1313

Stereotactic Biopsy Phantoms



18-228 Stereotactic Needle Biopsy Tissue-Equivalent Training Phantom

With the increasing use of stereotactic breast biopsy procedures, it is essential that radiology healthcare providers maintain and increase their needle biopsy skills. The 18-228 tissue-equivalent phantom is a MUST for every mammography facility.

The automated stereotactic breast biopsy procedure depends on several variables

for accurate needle placement. Thus, for patient safety, this system must be properly maintained and evaluated.

This versatile 18-228 was designed to assist in training technologists and physicians in the use of a stereotactic system, and for verifying the proper operation of mammographic stereotactic biopsy systems.

Because the phantom closely mimics properties of the human breast, it is also an ideal teaching tool and practice medium for mammographic needle biopsy procedures. It should also be used whenever a new system is installed or repaired, to ensure accurate needle placement.

This training phantom is also an excellent research and development/demonstration tool for manufacturers of mammography equipment.

The phantom should be stored in a cool place. The phantom should be discarded after all the tumors have been aspirated.

Key features

18-228

- Compressible
- Contains cysts, dense masses and calcifications
- Proprietary gel simulates physical density and mass attenuation of BR-12
- Gel will not dry out after initial needle punctures, thus extending storage life
- Physical consistency similar to human tissue, combined with an elastic, skin-like membrane, enables palpation of embedded structures and accurately simulates needle resistance
- Anthropomorphic shape allows for accurate simulation of breast compression

18-229-1313

- The most cost-effective and economical phantom for teaching, training, and QC

Specifications

18-228

Targets	Color	Dimensions	Quantity	Position
Cystic masses	green	5 mm to 12 mm	6	Random
Dense masses	black	5 mm to 12 mm	6	Random
Microcalcifications	orange	0.3 mm to 0.35 mm	two clusters	Mid-plane on right and left sides
General				
Dimensions (LxH)	10 cm x 5 cm; 1500 cc			
Weight	0.91 kg (2 lb)			

18-229-1313 Mammo-Cube Stereotactic Core Biopsy Phantom

Embedded lesions	Six dense masses, 5 to 12 mm Ø
Proprietary gel	Simulates the physical density and mass attenuation of BR-12. The gel will not dry out after initial needle punctures, thus extending storage life
Physical consistency	Similar to human tissue and combined with an elastic, skin-like membrane which enables palpation of embedded structures and accurately simulates needle resistance
Care	The phantom should be stored in a cool place, and discarded after all lesions have been biopsied
Dimensions (WxDxH)	6.5 cm x 7 cm x 4.5 cm
Weight	5 oz (Individual cube dimensions and weights may vary by 10 %)

Ordering information

18-228 Stereotactic Needle Biopsy Tissue-Equivalent Training Phantom

18-229-1313 Mammo-Cube Stereotactic Core Biopsy Phantom



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