

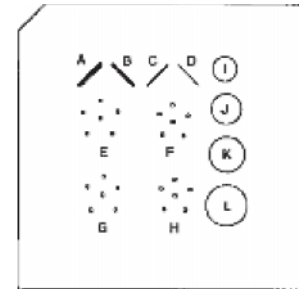
# Digital Stereotactic Breast Biopsy Accreditation Phantom\*

## Nuclear Associates Model 18-250

- The fast, easy way to test image quality on digital biopsy mammography units and qualify for ACR accreditation
- Accepted by the ACR for use in its Stereotactic Breast Biopsy Accreditation Program
- One exposure is all you need



Phantom with image evaluation insert



Digital image demonstrating image evaluation insert

### Features

- The phantom contains test objects that are similar to those found in the Mammographic Accreditation Phantom specified by the ACR
- The extended top edge of the phantom allows ease of positioning on recumbent biopsy units
- The phantom's small size allows it to be imaged in its entirety in a single exposure when used with a digital biopsy unit
- Enables you to determine if the images are similar to or better than screen-film

### Introduction

In the past, there was not an easy way to compare the image quality of conventional and digital biopsy mammography units, because the field of view on the digital system is typically much smaller than the 24 x 30 cm field of view on conventional mammography units. In order to image the Mammographic Accreditation Phantom specified by the American College of Radiology (ACR) on the biopsy units, the user has to move the phantom to various positions in order to obtain four separate images, to be sure all objects were imaged. This is a very inconvenient, time consuming task.

### Applications

The small size of the phantom permits fast, easy comparison of conventional and digital image quality, because you can attain an image of the entire unit in a single exposure. The objects are some of the same ones found in the Mammographic Accreditation Phantom specified by the ACR, so it makes comparison of the two imaging systems easy.

### Specifications

#### Wax insert

Fibers	Al <sub>2</sub> O <sub>3</sub> Specks	Masses
A) 0.93 mm nylon fiber	E) 0.54 mm speck	I) 0.25 mm (thickness) mass B)
0.74 mm nylon fiber	F) 0.32 mm speck	J) 0.50 mm (thickness) mass C)
0.54 mm nylon fiber	G) 0.24 mm speck	K) 0.75 mm (thickness) mass D)
0.32 mm nylon fiber	H) 0.20 mm speck	L) 1.00 mm (thickness) mass

#### Phantom body

**Dimensions (cast acrylic base block)** 2.38 (w) x 2.44 (d) x 1.46 in (h)  
(6.05 x 6.20 x 3.71 cm)

**Weight** 8.7 oz (1.20 kg)

#### Available model(s)

**18-250** Digital Stereotactic Breast Biopsy Accreditation Phantom

For more information, receive our full product catalog, or order online, contact **Radiation Management Services** business of **Fluke Biomedical**: 440.248.9300 or [www.flukebiomedical.com/rms](http://www.flukebiomedical.com/rms).

*Specifications are subject to change without notice.*

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\* Designed by Carol Mount, R.T. (R) (M), and Joel E. Gray, Ph.D., Department of Diagnostic Radiology, Mayo Clinic®, Rochester, MN 55905. Manufactured under licensing agreement with Mayo Foundation for Medical Education and Research.