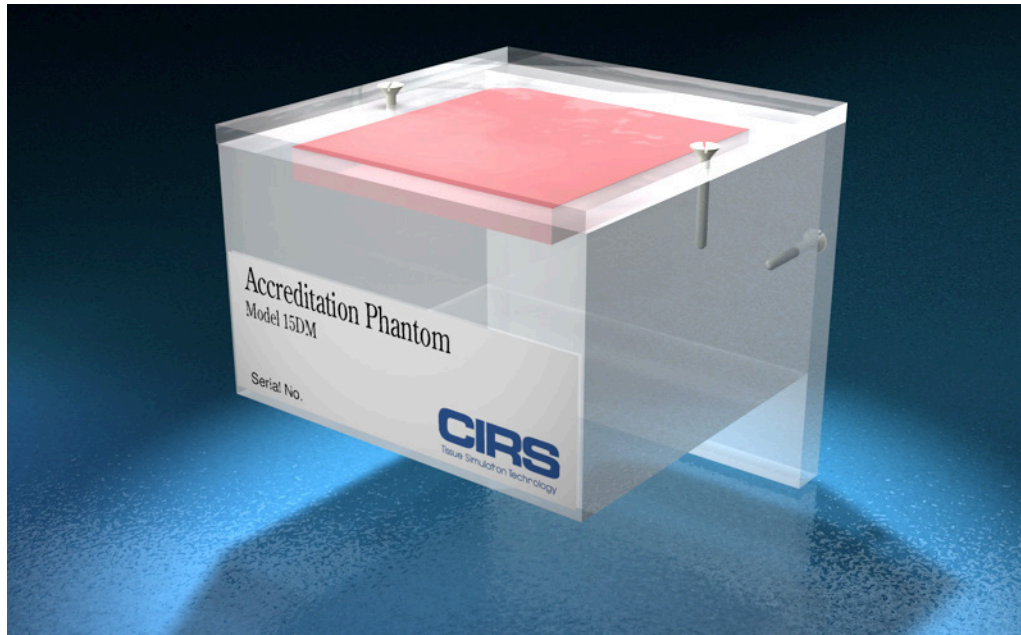


Digital Mammography Accreditation Phantom

Model 015DM



COMPLY WITH ACR REQUIREMENTS

The Digital Mammography Phantom was designed to evaluate image quality in digital mammography systems currently used for stereotactic biopsy and localization. This phantom is a miniaturization of the CIRS Model 015, Mammography Accreditation Phantom used for routine mammography quality assurance. Objects within the phantom simulate calcifications, fibrous calcifications in ducts, and tumor masses.

The 4.4 cm thick Mammographic Phantom is made up of: a 7 mm wax block insert containing 12 sets of test objects, a 3.4 cm (approx. 1-3/8") thick acrylic base, and a 3 mm (1/8") thick cover. All of this together approximates a 4.2 cm compressed breast of average glandular/adipose composition. Included in the 5 x 5 cm wax insert are aluminum oxide (Al_2O_3) specks to simulate micro-calcifications. Four different size nylon fibers simulate fibrous structures and four different size lens shaped masses simulate tumors.

Features

- Meets ACR requirements¹
- Small size allows the phantom to be imaged in a single exposure when used with digital biopsy units
- An extended top edge allows ease of positioning on flat biopsy units

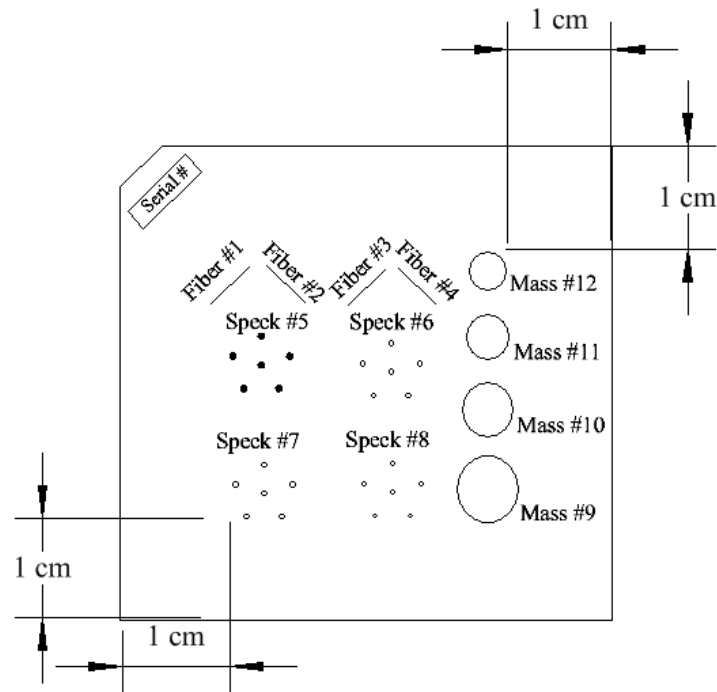
¹See ACR Digital Mammography Quality Control Manual for requirements.

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SPECIFICATIONS

WAX INSERT					
FIBERS (Nylon Fiber)		SPECKS (Al ₂ O ₃ speck)		MASSES (Thickness)	
1.	0.93 mm	5.	0.54 mm	9.	1.00 mm mass
2.	0.74 mm	6.	0.32 mm	10.	0.75 mm mass
3.	0.54 mm	7.	0.24 mm	11.	0.50 mm mass
4.	0.32 mm	8.	0.20 mm	12.	0.25 mm mass

MODEL 015DM INCLUDES

QTY	COMPONENT DESCRIPTION
1	4 mm acrylic contrast target
1	Image of wax insert
1	User Guide
-	60-Month Warranty

DIMENSIONS:	2.38 in x 2.44 in x 1.46 in (6.05 cm x 6.20 cm x 3.71 cm)
PHANTOM WEIGHT:	0.91 kg (2 lb)
MATERIALS:	Polymethylmethacrylate (PMMA)

