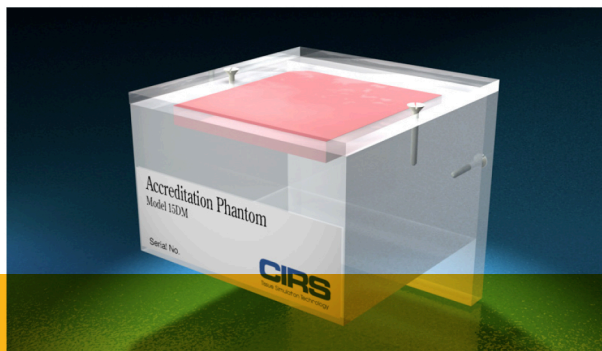


Digital Mammography Accreditation Phantom

Model 015DM



DISCONTINUED

USER GUIDE

CIRS

900 Asbury Ave • Norfolk, Virginia 23513 • USA • Tel: 757-855-2765 • WWW.CIRSINC.COM

BACKGROUND INFORMATION

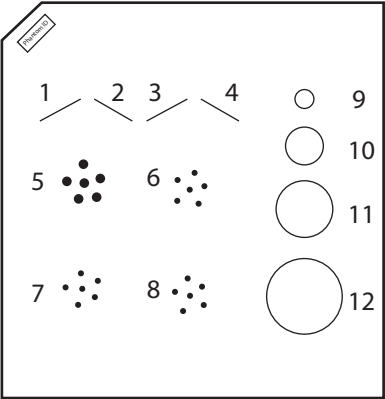
The Digital Mammography Phantom was designed to evaluate image quality in digital mammography systems currently used for stereotactic biopsy and localization. This phantom is a miniaturization of the CIRS Model 015, Mammography Accreditation Phantom used for routine mammography quality assurance. Objects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

DESCRIPTION OF THE PHANTOM

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.

TEST OBJECTS

Fibers	
1.	0.93 mm nylon fiber
2.	0.74 mm nylon fiber
3.	0.54 mm nylon fiber
4.	0.32 mm nylon fiber
Specks	
5.	0.54 mm Al_2O_3 speck
6.	0.32 mm Al_2O_3 speck
7.	0.24 mm Al_2O_3 speck
8.	0.20 mm Al_2O_3 speck
Masses	
9.	0.25 mm (thickness) mass
10.	0.50 mm (thickness) mass
11.	0.75 mm (thickness) mass
12.	1.00 mm (thickness) mass



CARE OF THE PHANTOM

The phantom is fragile to impact and is adversely affected by extended exposure to temperatures above 110°F. The phantom should be kept clean and stored in a cool dry place when not in use. Clean with a damp cloth when needed.

WARRANTY

All standard CIRS products and accessories are warranted by CIRS against defects in material and workmanship for a period as specified below. During the warranty period, the manufacturer will repair or, at its option, replace, at no charge, a product containing such defect provided it is returned, transportation prepaid, to the manufacturer. Products repaired in warranty will be returned transportation prepaid.

There are no warranties, expressed or implied, including without limitation any implied warranty of merchantability or fitness, which extend beyond the description on the face hereof. This expressed warranty excludes coverage of, and does not provide relief for, incidental or consequential damages of any kind or nature, including but not limited to loss of use, loss of sales or inconvenience. The exclusive remedy of the purchaser is limited to repair, recalibration, or replacement of the product at manufacturer's option.

This warranty does not apply if the product, as determined by the manufacturer, is defective because of normal wear, accident, misuse, or modification.

NON-WARRANTY SERVICE

If repairs or replacement not covered by this warranty are required, a repair estimate will be submitted for approval before proceeding with said repair or replacement.

RETURNS

If you are not satisfied with your purchase for any reason, please contact Customer Service prior to returning the product. Call 800-617-1177, email rma@cirsinc.com, or fax an RMA request form to 757-857-0523. CIRS staff will attempt to remedy the issue via phone or email as soon as possible. If unable to correct the problem, a return material authorization (RMA) number will be issued. Non-standard or "customized" products may not be returned for refund or exchange unless such product is deemed by CIRS not to comply with documented order specifications. You must return the product to CIRS within 30 calendar days of the issuance of the RMA. All returns should be packed in the original cases and or packaging and must include any accessories, manuals and documentation that shipped with the product. The RMA number must be clearly indicated on the outside of each returned package. CIRS recommends that you use a carrier that offers shipment tracking for all returns and insure the full value of your package so that you are completely protected if the shipment is lost or damaged in transit. If you choose not to use a carrier that offers tracking or insure the product, you will be responsible for any loss or damage to the product during shipping. CIRS will not be responsible for lost or damaged return shipments. Return freight and insurance is to be pre-paid.

WITH RMA NUMBER, ITEMS MAY BE RETURNED TO:

CIRS
Receiving
900 Asbury Ave,
Norfolk, Virginia, 23513 USA

PRODUCT	WARRANTY PERIOD
Model 015 DM - Digital Mammography Accreditation Phantom	60 Months

CIRS

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