



SUN NUCLEAR

A MIRION MEDICAL COMPANY

Radiography Fluoroscopy QA Phantom

903

- Supports initial and routine QA testing of CR, DR, and fluoroscopy systems
- Solution for the ACR Radiography/Fluoroscopy voluntary program



The Radiography/Fluoroscopy QA Phantom supports the American College of Radiology (ACR) Radiography/Fluoroscopy Voluntary Accreditation Program. It is suitable for both initial quality assurance assessments and routine monthly QA testing, helping facilities maintain consistent image quality and ensure optimal patient X-ray examinations.

The phantom is constructed from a durable epoxy material with X-ray attenuation properties equivalent to polymethyl methacrylate (PMMA), offering enhanced durability compared to traditional PMMA. The assembly consists of three attenuation plates, one test object plate, and a detachable stand to enable easy, repeatable setup.

Integrated test objects include high-resolution copper mesh targets ranging from 12 to 80 lines per inch, along with two separate contrast-detail test objects for evaluating image quality performance.

Key Benefits

- Suitable for CR, DR, and fluoroscopy systems
- Durable PMMA-equivalent epoxy construction
- Multiple configurations support assessment of entrance skin dose, minimum detectable contrast, low- and high-contrast resolution, and optical density

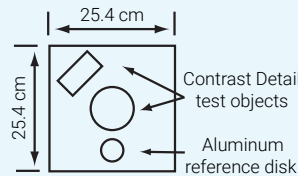
Radiography Fluoroscopy QA Phantom

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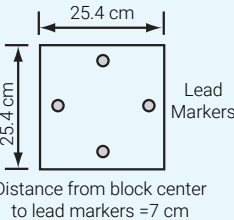
Specifications

Dimensions	25.4 x 25.4 x 20.3 cm (10" x 10" x 8")
Weight	16.8 kg (37 lbs)
Materials	PMMA-equivalent epoxy
Test Objects	Test Object Plate; 4.1 cm Block with Lead Markers; 7.6 cm Block with Aluminum Plate and Detachable Support Legs; 7.6 cm Block

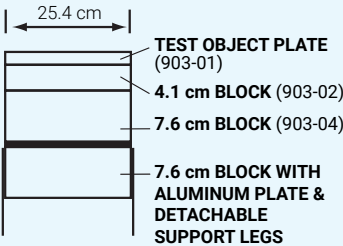
TEST OBJECT PLATE (903-01)



4.1 cm BLOCK (903-02)



Phantom Top View

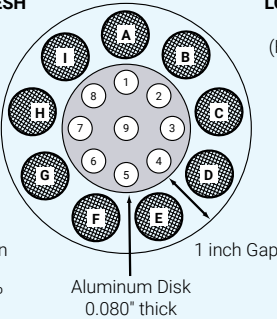


Phantom Side View

HIGH CONTRAST MESH
LINES PER INCH

- A-80
- B-12
- C-16
- D-20
- E-24
- F-30
- G-40
- H-50
- I-60

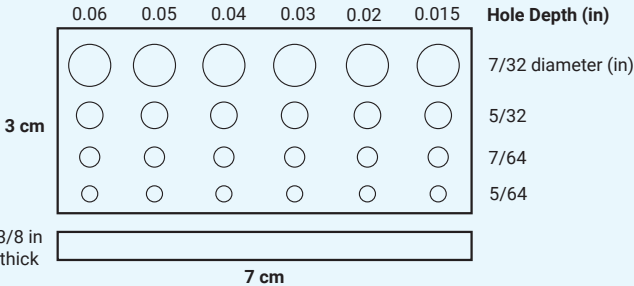
Mesheres arranged in incremental order
Lines angled at 45°



Test Object Plate Details

LOW CONTRAST HOLES
IN ALUMINUM DISK
(Hole Diameter - 0.375")

- HOLE DEPTHS
- 1 - 0.068
 - 2 - 0.049
 - 3 - 0.035
 - 4 - 0.025
 - 5 - 0.018
 - 6 - 0.0126
 - 7 - 0.0091
 - 8 - 0.0063
 - 9 - 0.0040



Contrast Detail Test Object