

Radiography Fluoroscopy QA Phantom

Model 903



SOLID ASSESSMENT TOOL FOR X-RAY IMAGE QUALITY PROGRAMS

The CIRS Model 903 Radiography / Fluoroscopy QA Phantom is designed to provide physicians with an opportunity for a comprehensive review of their Radiography / Fluoroscopy facility, image quality programs.

The Radiography / Fluoroscopy QA Phantom can be used for initial QA assessment and routine monthly QA testing to help ensure patients are receiving the best possible X-ray examinations.

The CIRS Model 903 is manufactured from Polymethyl Methacrylate (PMMA) equivalent epoxy that offers the same X-ray attenuation properties as PMMA with significantly greater durability.

The overall phantom measures 25.4 cm wide x 25.4 cm long x 20.7 cm high and consists of three attenuation plates, one test object plate and a detachable stand for easy, reproducible set-up. Test objects include high-resolution copper mesh targets from 12 – 80 lines per inch, two separate contrast-detail test objects.

Optional accessories are available to evaluate iodine contrast visibility and linearity as well as digital subtraction effectiveness under various conditions.

Features

- Suitable on CR, DR & Fluoroscopy systems
- Durable PMMA-equivalent epoxy
- Multiple configurations
- Assesses:
 - Entrance skin dose
 - Minimum detectable contrast (%)
 - Low-contrast resolution
 - Optical density
 - High-contrast resolution
 - DSA function and arterial visibility

DIMENSIONS:	25.4 cm x 25.4 cm x 20.3 cm (10" x 10" x 8")
PHANTOM WEIGHT:	16.8 kg (37 lb)
MATERIALS:	PMMA-equivalent epoxy

MODEL 903 INCLUDES

PART NO.	QTY	DESCRIPTION
903-01	1	Test Object Plate
903-02	1	4.1 cm Block with Lead Markers
903-03	1	7.6 cm Block with Aluminum Plate & Detachable Support Legs
903-04	1	7.6 cm Block

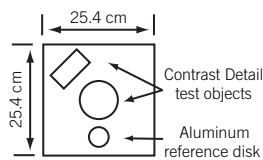
MODEL 903 OPTIONAL ACCESSORIES

PART NO.	DESCRIPTION
903-05	Optional Artery Slot Block for Model 903
903-06*	Artery Block with Iodine (15 mg/mL)
903-07*	Artery Block with Iodine (150 mg/mL)
903-08	Bone Block
9506	Optional Case for ACR Radiography Fluoroscopy Accreditation Phantom

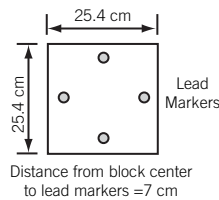
*Must purchase Model 903-05 Optional Artery Slot Block to use this accessory with Model 903 Radiography Fluoroscopy Accreditation Phantom.

PHANTOM TOP VIEW

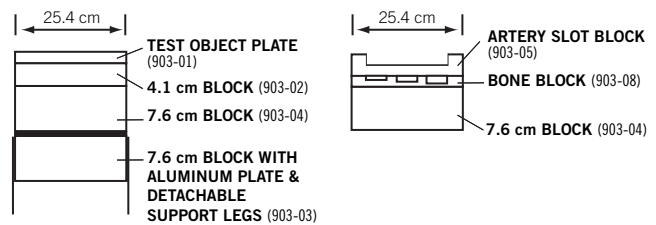
TEST OBJECT PLATE (903-01)



4.1 cm BLOCK (903-02)



PHANTOM SIDE VIEW

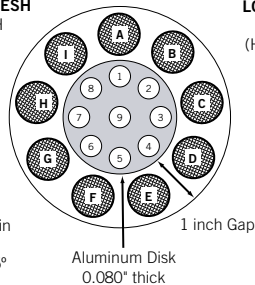


TEST OBJECT PLATE DETAILS (903-01)

HIGH CONTRAST MESH

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

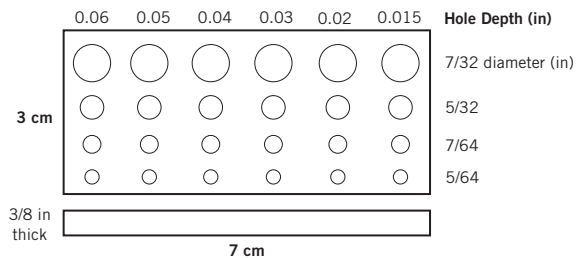
Meshes arranged in incremental order
Lines angled at 45°



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



ARTERY BLOCK WITH IODINE (903-06 & 903-07)

