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

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>QTY</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>903-01</td>
<td>1</td>
<td>Test Object Plate</td>
</tr>
<tr>
<td>903-02</td>
<td>1</td>
<td>4.1 cm Block with Lead Markers</td>
</tr>
<tr>
<td>903-03</td>
<td>1</td>
<td>7.6 cm Block with Aluminum Plate &amp; Detachable Support Legs</td>
</tr>
<tr>
<td>903-04</td>
<td>1</td>
<td>7.6 cm Block</td>
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</tbody>
</table>

PHANTOM TOP VIEW

TEST OBJECT PLATE (903-01)

4.1 cm BLOCK (903-02)

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 45º
Aluminum Disk 0.080” thick

LOWER 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

<table>
<thead>
<tr>
<th>Hole Depth (in)</th>
<th>0.06</th>
<th>0.05</th>
<th>0.04</th>
<th>0.03</th>
<th>0.02</th>
<th>0.015</th>
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<tbody>
<tr>
<td>3 cm</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>3/8 thick</td>
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<tr>
<td>7 cm</td>
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</table>

PHANTOM SIDE VIEW

ARTERY SLOT BLOCK (903-05)

4.1 cm BLOCK (903-02)

7.6 cm BLOCK (903-04)

7.6 cm BLOCK WITH ALUMINUM PLATE & DETACHABLE SUPPORT LEGS (903-03)

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

STENOSES

ANEURYSMS

<table>
<thead>
<tr>
<th>Ø</th>
<th>2 mm</th>
<th>1 mm</th>
<th>4 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 2 mm</td>
<td>Ø 1 mm</td>
<td>Ø 4 mm</td>
<td></td>
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</table>

MODEL 903 OPTIONAL ACCESSORIES

<table>
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<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tr>
<td>903-05</td>
<td>Optional Artery Slot Block for Model 903</td>
</tr>
<tr>
<td>903-06*</td>
<td>Artery Block with Iodine (15 mg/mL)</td>
</tr>
<tr>
<td>903-07*</td>
<td>Artery Block with Iodine (150 mg/mL)</td>
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<tr>
<td>903-08</td>
<td>Bone Block</td>
</tr>
<tr>
<td>903-CS</td>
<td>Optional Case for ACR Radiography Fluoroscopy Accreditation Phantom</td>
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</tbody>
</table>

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