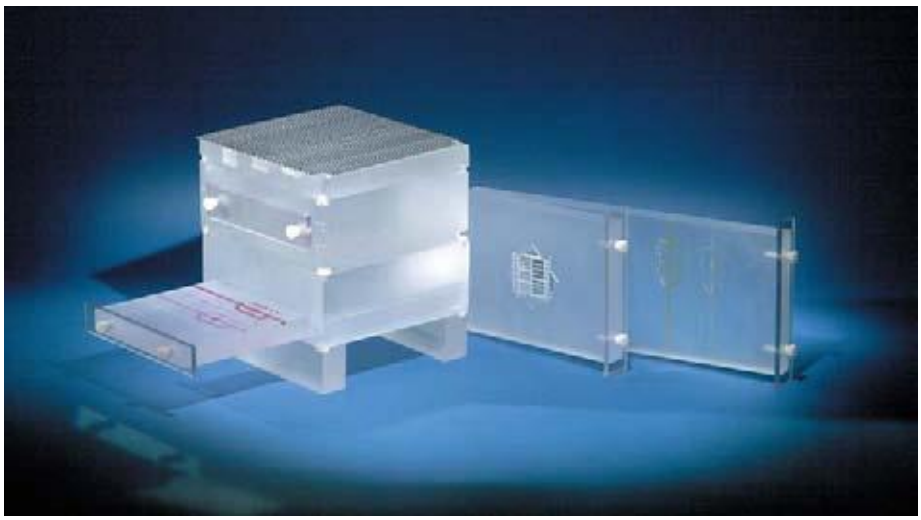
Digital Subtraction Angiography (DSA) Phantom*

Model 76-710

- **New phantom design yields dramatic improvement in the quality of the subtracted image**
- **Conforms to Report #15 by the American Association of Physicists in Medicine (AAPM)**
- **Evaluates digital functions of DSA systems**
- **Checks contrast range, resolution, linearity, uniformity, amplifier dynamic range, registration accuracy and subtraction effectiveness**
- **Provides easy-to-interpret results**
- **Quantitatively measures high- and low-contrast spatial resolution**



Features

- Retaining hasps ensure a tight fit between the step blocks, for reduced motion artifacts
- Specially-designed “stop” on the end of the slot blocks improves the positional accuracy of the insert material during image acquisition, and reduces the number of DSA frames that must be acquired
- The U-block provides a very sturdy support when entrance exposures are being measured with a dosimeter ion chamber
- Two artery blocks in two concentrations of iodine: 15 mg/ml and 150 mg/ml, for increased clinical relevance
- A 300 mg/ml iodine artery block is available as an option

Introduction

This Model 76-710 Digital Subtraction Angiography (DSA) Phantom† conforms to the recommendation in Report No. 15 by the American Association of Physicists in Medicine (AAPM) - Digital Radiology/Fluorography Task Group of the Diagnostic X-Ray Imaging Committee.

Benefits

- Dramatic improvement in the quality of the subtracted image due to:
  - Improved phantom stability
  - Increased homogeneity of bone material in bone blocks
- Eliminates occurrence of mis-registration artifacts caused by inadvertent movement of the phantom components during image acquisition

See also, RadiaXon™ Radiation Attenuation Gloves (Model 57-965) used in interventional procedures.

* *Designed by Joel E. Gray, Ph.D., Professor Emeritus, Mayo Graduate School of Medicine and Jerome P. Taubel, R.T., Department of Diagnostic Radiology, Mayo Clinic® and Foundation. Manufactured under licensing agreement with Mayo Foundation for Medical Education and Research.*

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