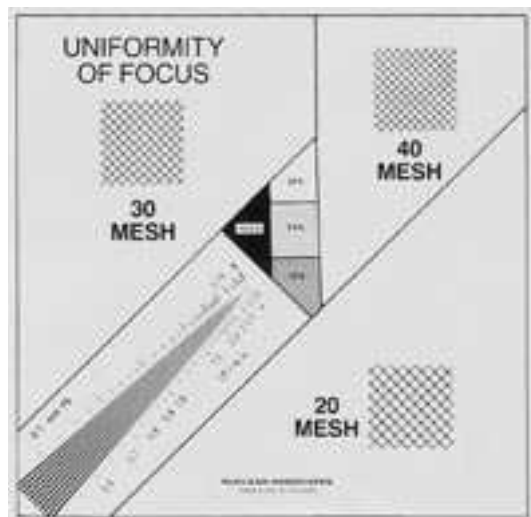


07-656 and 07-434

Cardiac Digital Imaging Phantom and Ultra-High Purity HVL Attenuators



07-656

07-656 Cardiac Digital Imaging/Cine-Video Quality Control Phantom and Patient Identifier*

This patient-equivalent phantom provides permanent patient identification information (required by the ACC), as well as quality control checks for digital imaging (when exposed on the cine film or videotape at the beginning of the study, before the patient is placed on the table). In addition, quality control test of resolution, density and contrast, and uniformity of focus.

07-434 Ultra-High Purity HVL Attenuators

Because type-1100 aluminum is only 99.0 % pure, it has some impurities that can give a HVL value that is 7.5 % lower than those measured with pure aluminum.

When doing HVL measurements with a mammography unit, it is recommended that

the highest purity aluminum be used. This set of six attenuators satisfies this recommendation, because they are 99.9 % pure (type-1145).



07-434

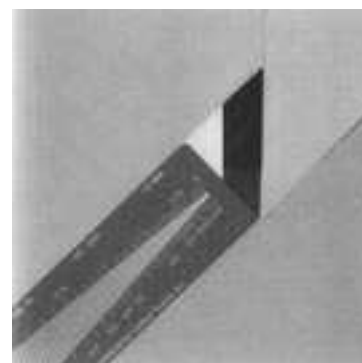
Key features

07-656

- Recommended as part of the Image Compression Study being conducted by the American College of Cardiology (ACC) DICOM Committee
- Selected by the ACC as the image quality criteria for digital imaging

07-434

- Recommended for mammography
- 99.9 % pure for accurate HVL measurements



07-656

Specifications

07-656	
Dimensions (WxDxH)	21.5 cm x 21.5 cm x 1.2 cm (8.5 in x 8.5 in x 0.375 in)
Weight	1.3 kg (3 lb)
07-434	
Dimensions (WxDxH)	10 cm x 10 cm x 0.1 mm (4 in x 4 in x 0.004 in)
Weight	0.06 kg (0.15 lb)

Included accessories

07-656

High contrast resolution test pattern, four-step density contrast test section, mesh screen (20, 30, 40 mesh) to test for uniformity of focus and a 0.0937 inch thick copper plate

Ordering information

07-656 Cardiac Digital Imaging/Cine-Video QC Phantom and Patient Identifier

07-434 Ultra-High Purity HVL Attenuators, set of 6

07-430 Standard Aluminum HVL Attenuators, set of 11

07-431 Copper HVL Attenuators, set of 10

*Designed by Joel E. Gray, Ph.D., Professor Emeritus, Department of Diagnostic Radiology, Mayo Clinic®, Rochester, MN 55905. Manufactured under licensing agreement with Mayo Foundation for Medical Education and Research.