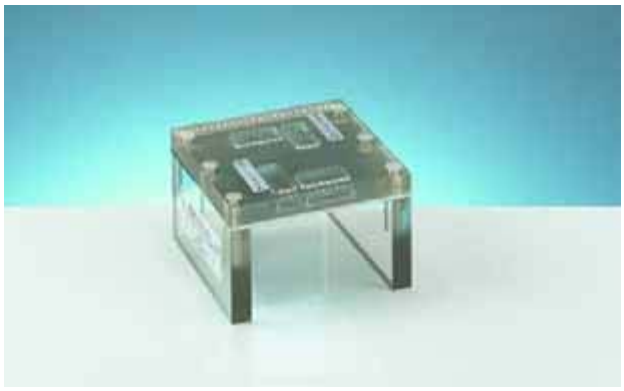
Quality Control Test Objects

Mammo Stand Focal Spot Test



Test stand for measuring mammographic spatial resolution

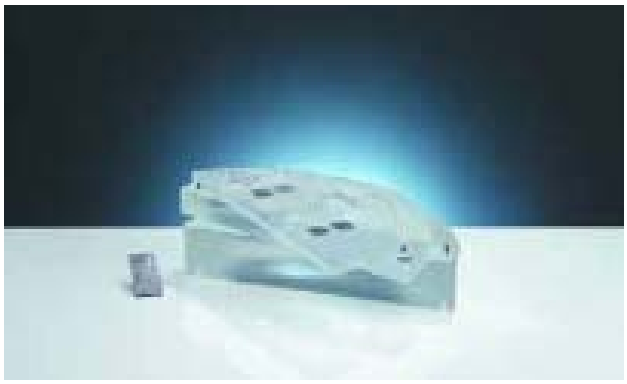
Features

- Locates test patterns precisely 4 – 5 cm above grid cover or mag stand
- Provides attenuation appropriate for photo timing
- Two orthogonal slots for conventional mammography test patterns
- Two orthogonal slots for digital and digital stereo test patterns

The Mammo Focal Spot Test Stand is designed for easy assessment of mammographic spatial resolution measurements according to ACR, MQSA1 and AAPM TG-4, Report #60. The stand precisely positions the test patterns above
the grid cover or mag stand and provides attenuation, which is appropriate for photo timing, while minimizing scatter effects. The test patterns may be inserted or removed by the user. The test pattern scale in line pairs per mm (lp/mm) is printed on the stand. The spatial resolution range of the patterns for conventional mammography is (10.0 ... 20.0) lp/mm with increments of 1 lp/mm, and the resolution range of the pattern for digital mammography is (4.5 ... 9.5) lp/mm with increments of 0.5 lp/mm.

Mammo Stand Focal Spot Test

X-Check Mammo Test Object



Test object for acceptance tests and constancy tests of mammographic X-ray installations according to IEC stadards

Features

- Suitable for acceptance tests and for constancy tests of mammograghic X-ray equipment Complies with IEC 61223-3-2 and 61223-2-10
- Checks specific mammography parameters

The X-Check MAM test object is used for acceptance tests of mammographic X-ray equipment according to IEC 61223-3-2. The same test object is also used for constancy tests according to IEC 61223-2-10. The phantom is shaped as a mamma. The structure plate is designed to test specific mammography parameters such as the optical density of test films, the position and size of the useful radiation field, the contrast resolution, the presence of impurity spots and the entrance dose with an optional dosemeter (CONNY II, DIADOS or DIADOS E). Small steel balls show the image limitation at the thorax side on the radiograph.
Two acrylic absorbers of 20 mm and 40 mm thickness for patient simulation and beam attenuation are included in the package. These absorbers are used to check the performance of the automatic exposure control (AEC).

Xcheck Mammo Test Object