



PIXMAM-3D

Breast Tomosynthesis Phantom

PIXMAM-3D is a routine image quality phantom for testing of digital mammography systems. This phantom has been designed according to the EUREF Protocol for the Quality Control of the Physical and Technical Aspects of Digital Breast Tomosynthesis Systems.

PIXMAM-3D comprises various PMMA plates produced to a ± 0.1 mm tolerance on thickness:

(1pc) 300 x 240 x 5mm plate with 25 embedded spheres (1mm dia.)

(1pc) 300 x 240 x 20mm plate with embedded 99.99% 10x10mm Al foil

(1pc) 300 x 240 x 5mm plate

(1pc) 300 x 240 x 10mm plates

(2pc) 300 x 240 x 20mm plates

This phantom enables:

- AEC checks
- Detector homogeneity
- Geometric distortion
- SNR
- CNR
- Image resolution
- Z-resolution



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