TOR MAM
Mammography Phantom

A test object designed to be used quickly and easily on a routine basis to provide an ongoing check of imaging performance, particularly those aspects which are most liable to deterioration. An ongoing record of these numbers will reveal any trend towards deterioration in imaging performance.

This test object is supplementary to TOR MAS or MAX and provides a more "natural" image which may be preferred by radiographers and radiologists. The top (left) half contains a range of filaments, micro-particles and low-contrast details, representing pathological features in the breast. These are sensitive to the mammographic grey-scale, noise and unsharpness, and can be used to obtain an image-quality "score". The lower (right) half simulates the appearance of breast tissue and contains micro-calcification in addition to fibrous and nodular details.

TOR MAM Comprises:

• Standard PMMA test block
(6 pieces 10.0±10%mm thick pmma
240mm diameter semi-circle
2 pieces 5.0±10%mm thick pmma
240mm diameter semi-circle)

• Filaments
(6 groups of multi-directional filaments)

• Micro-calcifications
(6 groups of micro-calcifications in ranges of 354-224, 283-180, 226-150, 177-106, 141-90, 106-93)

• Threshold Contrast Details
(6 groups of 3, low contrast details groups)

• Clincially Realistic Breast Tissue
(6 groups of micro-calcifications (as in the above) with a clinically realistic breast tissue feature)
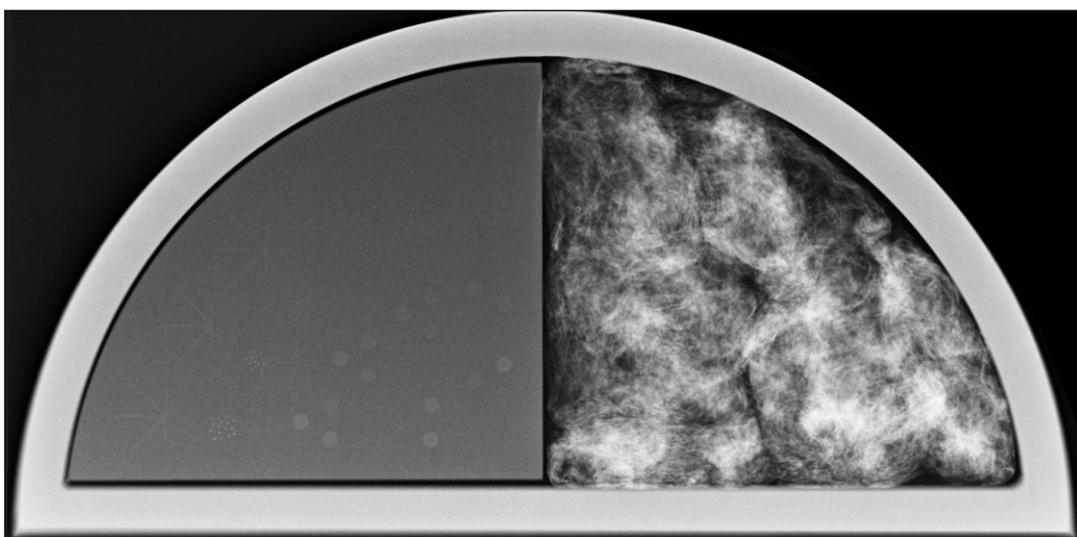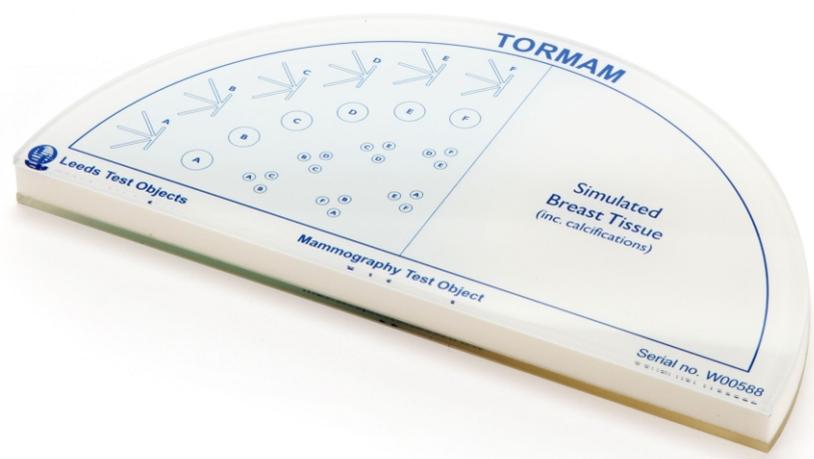
TOR MAM
Mammography

Product Detail

fig. 1 TOR MAM X-ray image

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