

TOR 18FG

A routine test object designed to be used quickly and easily on a regular basis (e.g. weekly/monthly) to provide an ongoing check of imaging performance, particularly those aspects which are most liable to deterioration. After an initial grey-scale check, image quality is measured simply by counting the number of details detected and the number of bar-patterns resolved in the image. An ongoing record of these numbers will reveal any trend towards deterioration in imaging performance.

Used for fluoroscopy and fluorography, enables the following checks to be made:

- Resolution limit (0.5 to 5.0 LP/mm)
- Low-contrast large-detail detectability (18 details, 8mm diameter)
- Circular Geometry (Lead Circle)

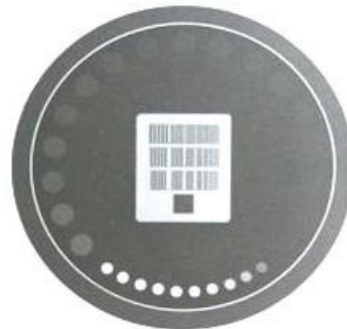


TOR CDR

A routine test object designed to be used quickly and easily on a regular basis (e.g. weekly or monthly) to provide an ongoing check of imaging performance, particularly those aspects which are most liable to deterioration. After an initial grey-scale check, image quality is measured simply by counting the number of details detected and the number of bar-patterns resolved in the image. An ongoing record of these numbers will reveal any trend towards deterioration in imaging performance.

Used for conventional and non-subtractive digital radiography, enables the following checks to be made:

- Sensitometric measurements (10 test point details, 5.6mm diameter)
- Resolution limit (0.5 to 14.3 LP/mm)
- Low-contrast large-detail detectability (17 details, 11mm diameter)
- High-contrast small-detail detectability (17 details, 0.5mm diameter)



In addition to checking the consistency of radiographic performance, the test object can be used to assess the relative performance of different screen-film combinations.

TOR MAM

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.

The kit consists of:

TOR MAM test object
7cm attenuator stack

TOR MAM contains the following features:

- 6 groups of multi-directional filaments.
- 6 groups of micro-calcifications in ranges of 354-224, 283-180, 226-150, 177-106, 141-90, 106-93.
- 6 groups of 3, low contrast details groups.
- 6 groups of micro-calcifications (as in the above) with a clinically realistic breast tissue feature.



Resolution Test Patterns

16



1-83



21



54



53



56



52



38



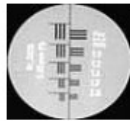
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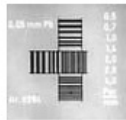
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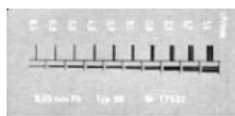
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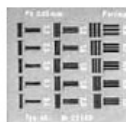
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68



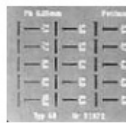
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42



43



80



23

39

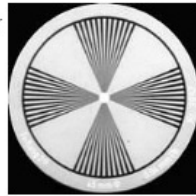
82



13



9 sector



9 360°

