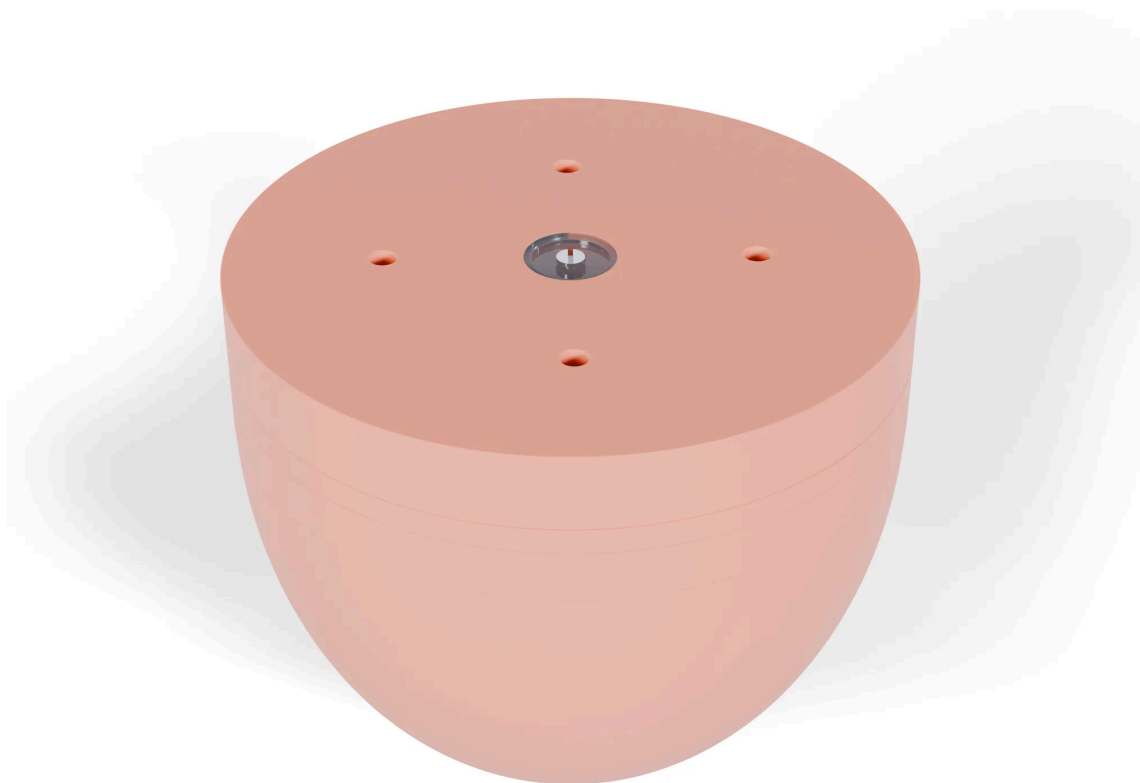


Pro-MAM CBCT

03-702



The Pro-MAM CBCT Phantom is used for routine quality control of breast CBCT systems. It enables assessment of microcalcification visibility, contrast, resolution and image uniformity. It is manufactured from tissue-equivalent materials with a 20/80 glandular/fat ratio. The modular design allows each parameter to be tested independently, and an optional carrying case is available for transport. A manual is supplied with the phantom.

Product details:

- Designed for routine image-quality and acceptance testing of breast CBCT systems

- Enables assessment of microcalcification visibility, contrast-to-noise ratio, low-contrast detectability, uniformity, and artifact evaluation.
- Manufactured from tissue-equivalent materials.

Technical data (can be modified to customer specifications):

- Overall dimensions: $\varnothing$ 130 mm $\pm$ 0.5 mm $\times$ height 115 mm $\pm$ 2 mm
- Shape: semi-ellipsoid
- Construction material: tissue-equivalent mixture BR 20/80 (gland/fat ratio 20/80)
- Internal structure composed of modular sections for independent testing of calcifications, contrast resolution, and image uniformity

Calcification Clusters Module

- Simulates microcalcification groups in glandular/fat background.
- Calcification point diameters of 320 μ m, 290 μ m, 270 μ m, 240 μ m, 220 μ m and 160 μ m



Contrast Resolution Module

- Provides high- and low-contrast targets for evaluation of CNR and low-contrast detectability, and also includes a water target.



Uniformity Module

- Semi-ellipsoidal section for uniformity and artifacts assessment.



Accessories:

- Carrying handles and case (optional) for easy transport

Product features:

- CE marked
- The manual provides detailed guidelines for carrying out each test, results assessment and registration