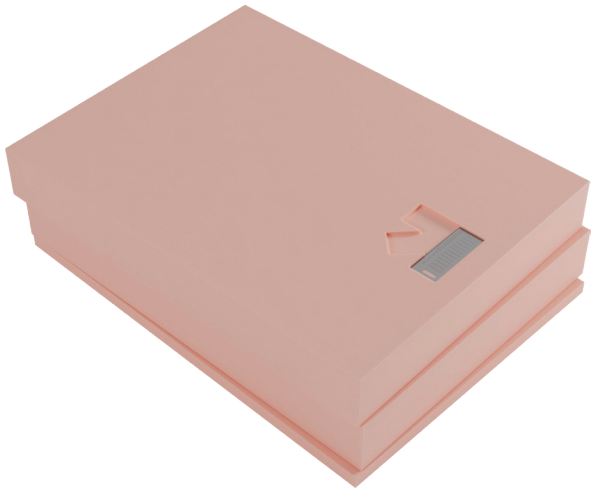
LUDLUM MEASUREMENTS, INC.

Model 03-207

Pro-MAM HCRP Mammography BR Test Plates with Resolution Test Pattern

Part Number: 99-9986



Introduction

The Model 03-207 Pro-MAM HCRP Mammography BR Test Plates with Resolution Test Pattern are designed for accurate assessment of mammography system performance in accordance with ACR (American College of Radiology) and MQSA (Mammography Quality Standards Act) recommendations. Unlike acrylic, these testing slabs are manufactured with very tight thickness tolerances and more accurately simulate real breast tissue over the range of energies used in mammography. The BR Test Plates (50% glandular / 50% adipose) are the most commonly used. Also included is the recommended resolution pattern for mammography, 5.0 - 20.0 LP/mm (13 groups). This phantom has not only the 0 and 90 degree angles for the test pattern but also an added 45 degree angle recommended by current QA guidelines, particularly for digital mammography. The resolution pattern is embedded between polycarbonate shielding to protect it from wear or damage.

The phantom body consists of breast equivalent materials and features a cavity for the resolution pattern. This design enables consistent, reproducible positioning of the bar pattern at 4.5 cm above the breast support plate and 1 cm from the chest wall, cantered laterally (as recommended by the ACR).

Specifications

- DIMENSIONS: 15.2 x 11.4 cm (6 x 4.5 in.)
- THICKNESS:
  - 2 ea. - 2 cm
  - 1 ea. - 0.5 cm
- TARGET: Pro-Res MAM BarType1
  - Resolution Pattern: 5.0 - 20.0 LP/mm (13 groups)
- Other sizes available upon request
- Complies with IEC 61223-3-2
- CE certified

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