

EU DBT TEST SET (TOMO)

A test Set for Digital Breast Tomosynthesis systems. Currently the first Digital Breast Tomosynthesis (DBT) systems are introduced on the market. A protocol for the Quality Control of the Physical and Technical Aspects of Digital Breast Tomosynthesis has been released by EUREF (www.euref.org). Together with the CDMAM phantom the DBT Test Set complies with all phantom requirements in order to execute the EUREF protocol.

Complies with
the EUREF
protocol
for the quality
control.

Elements

- Z-resolution phantom: PMMA plate of 320 x 260 x 5 mm with 25 embedded aluminium spheres of 1 mm
- Homogeneous Phantom: Standard 45 mm thick PMMA block 320 x 260 x 45 mm thickness tolerance +/- 0.1 mm polished and specially machined for extreme flatness
- Slabs: 7 x PMMA plate 320 x 260 x 10 mm thickness tolerance +/- 0.1 mm polished and specially machined for extreme flatness
- Slabs: PMMA plate 320 x 260 x 5 mm thickness tolerance +/- 0.1 mm polished and specially machined for extreme flatness
- Stainless steel plate 320 x 260 x 3 mm
- NPS Attenuator: Aluminium plate 200 x 200 x 2 mm thickness tolerance ± 0.05 micrometer
- MTF tool of Stainless steel: 120 x 60 x 0.8 mm, 50 micrometer rectangular edge
- 8 Sheets of aluminium foil: 100 x 100 x 0.1 mm
- SDNR Sheet: Aluminium foil 10 x 10 x 0.2 mm, thickness tolerance ± 2 micrometer
- 4 pcs X-ray ruler: from 5 cm to -5 cm, scale 1 mm
- PMMA Spacers:
 - 2 pcs: 180 x 15 x 10 mm
 - 2 pcs: 180 x 30 x 30 mm
- 7pcs PMMA plates: 40 x 20 x 2 mm
- 5pcs EU Foam: 240 x 180 x 20 mm
- Tungsten Wire thickness 25 micrometer, length 1 m
- Strong and sturdy storage case (Peli Case)

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