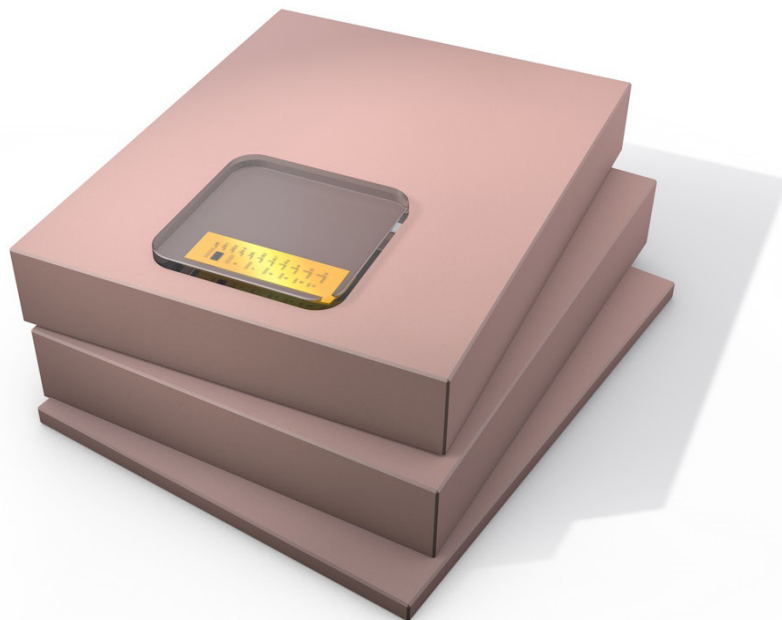


**MQSA ITEM**

# Special High Contrast Resolution Phantom

Model 016B



## UP TO 28 LINE PAIR/MM

The CIRS Model 016B is a tissue-equivalent breast phantom and 17.5 micron thick gold-nickel bar pattern. The target contains 18 test segments from 5 lp to 28 lp/mm for mammography QA assessments at varying levels of difficulty.

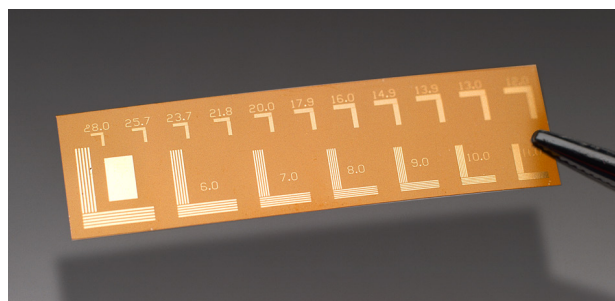
Each bar pattern is positioned at 90 degrees to allow assessment of resolution perpendicular and parallel to anode-cathode axis in a single exposure. The target is equivalent to 25 microns of lead at 20 keV. Target is permanently embedded in a thin acrylic wafer to protect it from wear or damage.

Model 016B comes with three tissue-equivalent slabs, which can be ordered in BR12 or BR50/50. One slab is drilled with a target cavity to allow reproducible positioning of the bar pattern at 4.5 cm above the breast support plate and 1 cm from the chest wall, centered laterally as recommended by the American College of Radiology.

Special High-Contrast Resolution phantom comes standard with user guide and 48-month warranty.

### Benefits

- Perpendicular bar pattern design for assessment of system resolution using single exposure
- Acrylic wafer to protect bars from wear and damage
- Breast-equivalent phantom

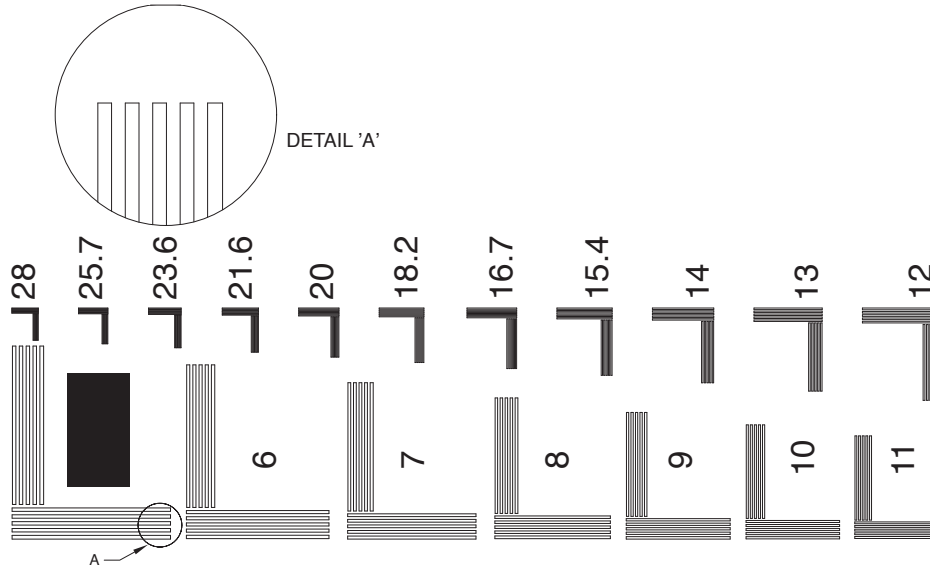


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Tissue Simulation & Phantom Technology



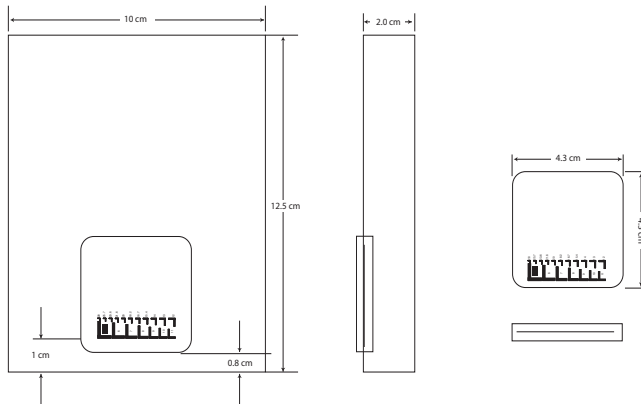
The selection of sizes is designed for a consistent "step-down" progression from target to target.

SPECIFICATIONS

<b>DIMENSIONS</b>	12.5 cm x 10 cm x 2 cm (4.9" x 3.9" x 0.8")
<b>PHANTOM WEIGHT</b>	2 lbs (0.7 kg)
<b>MATERIALS</b>	Phantom: BR12 or BR50/50 Target: Gold Nickel construction (equivalent to 25 microns lead) embedded in acrylic

MODEL 016B INCLUDES

QTY	COMPONENT DESCRIPTION
1	Acrylic target
1	12.5 cm x 10 cm x 2 cm Slab
1	12.5 cm x 10 cm x 0.5 cm Slab
1	12.5 cm x 10 cm x 2 cm with target cavity
1	User Guide
-	48-month warranty



Schematic drawing of 12.5 cm slab with target cavity

