



Model L-016A

Single Exposure High Contrast Resolution Phantom

Introduction

The CIRS Model L-016A Single Exposure High Contrast Resolution Phantom is made up of a set of three BR-12 (or BR-50/50) plates, measuring 12.5 x 10 cm (4.9 x 3.9 in.) each, with a combined thickness of 4.5 cm, as recommended by the ACR and MQASA. Incorporated into the top plate is an acrylic encased set of line-pair resolution targets. The two very precise 17.5 micron thick, gold-nickel alloy bar patterns, positioned at 90 degrees, allow assessment in one exposure, of the system resolution both parallel and perpendicular to the anode cathode orientation of the X-ray tube.

The resolution targets have 17 segments from 5 lp to 20 lp/mm and are equivalent to 25 microns of lead or 2.6 mm of aluminum at 20 keV.



Part Number 99-9005

The Phantom body is available in the BR-50/50 material upon request. The Line-Pair resolution test pattern may be purchased separately in the event a replacement is required [Model L-016W].

Included in the set is a 30x hand-held microscope.

Model L-085

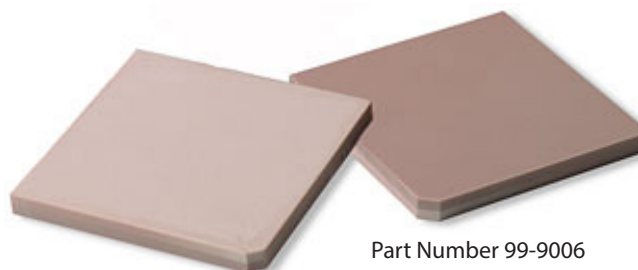
Full Field Digital Mammo Phantom

Introduction

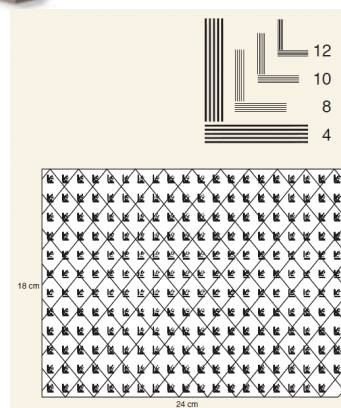
The Model L-085 Mammography Full Field Digital Phantom is specifically designed to monitor new digital mammography systems utilizing the high quality, low noise CCD (charge-couple device) digital sensors.

The Model L-085 Phantom provides a series of L-shaped line-pair targets from 4 to 12 lp/mm. These targets are contiguously positioned to cover an 18 x 24 cm (typical mammography cassette size) area in a 1 cm thick BR-50/50 tissue equivalent slab.

Visual inspection of the image permits a quick assessment of the continuity and resolution of the system.



Part Number 99-9006



Target pattern