

Breast Ultrasound QA Phantom

Ensure highly detailed images to enable reliable breast cancer examinations.



Recommended by Japan Association of Breast and Thyroid Sonology

Ultrasound QA phantom for high precision imaging in the high frequency sonography around 10MHz required in breast examination.

For monthly basic quality check of ultrasound images, as well as longer term quality assurance to maintain consistency of the performance of scanners and transducers.

Features

Four kinds of targets, gray scale, cyst targets, dot targets and 45 degrees line target at 2 depth, 10mm (0.4in) and 20mm (0.8in).

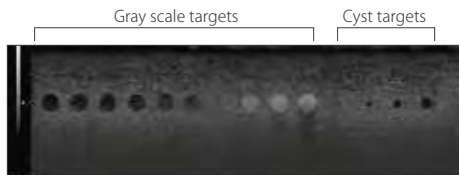
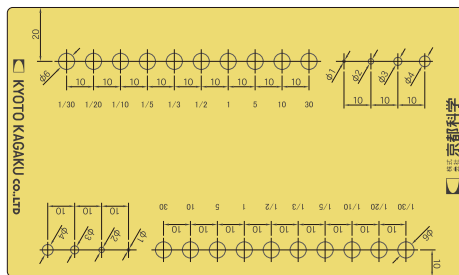
Background of each phantom block is of different attenuation rate and speed of sound.

Detailed spatial resolution as minute as 0.5mm (0.02in) can be assessed.

Stable and durable nonaqueous phantom materials.
*Japanese patent No.3650096

Comes with a thermometer to measure inner temperature of the phantom.

Mass targets block (contrast resolution)



Gray scale targets

10 step gray scale targets.

Find the optimal gain to visualize all targets clearly and with even change in echogenicities. Then keep the gain for subsequent assessment session.

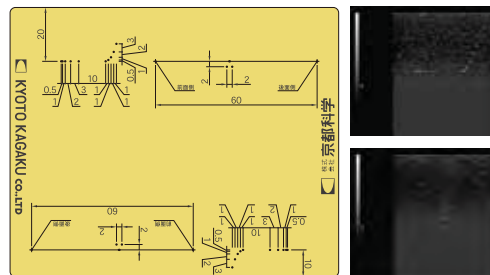
Cyst targets

4 targets with different diameter from 1mm (0.04in) to 4mm (0.16in).

Visualize the four targets as clear as possible.

Then check their roundness and if the 1mm (0.04in) dia. target can be properly recognized.

Dot targets block (spatial resolution)



Dot targets

Dot targets for horizontal and vertical resolution. Spacing from 0.5mm (0.02in) to 3mm (0.12in).

45 degrees line target

Influence on the image quality by the slice thickness can be assessed.

Consists of two dot targets with 2mm (0.08in) distance with a line target embedded horizontally with 45 degrees from the front wall to the back wall.

Specifications

Set Includes:
1 mass targets block
1 dot targets block
1 thermometer
1 storage case

Size:
mass targets block phantom size:
18 x 7.5 x 11 cm, 1.3kg
7.2 x 3 x 4.4 (in), 2.9 (lbs)
dot targets block phantom size:
13.5 x 7.5 x 11 cm, 1.0kg
5.4 x 3 x 4.4 (in), 2.2 (lbs)

