

## US-4 - Breast Ultrasound QA Phantom

Order code: **4103.US4**



Cena bez DPH

3.176,00 Eur

Price with VAT

3.842,96 Eur

Parameters

Phantoms and simulators

Quantitative unit

Ultrasound phantoms

ks

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.

## 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 subsequence assessment session.

## Cyst targets

- 4 targets with different diameter from 1mm(0.04inch) to 4mm(0.16 inch).
- Visualize the four targets as clear as possible.
- Then check their roundness and if the 1mm(0.04inch) dia. target can be properly recognized.

## Dot targets

- Dot targets for horizontal and vertical resolution.
- Spacing from 0.5mm(0.02inch)to3mm(0.12inch).

## 45 degrees line target

- Influence on the image quality by the slice thickness can be assessed.
- Consists of two dot targets with 2mm(0.08inch) distance with a line target embedded horizontally with 45 degrees from the front wall to the back wall.

## Set includes

- 1 mass targets block
- 1 dot targets block
- 1 thermometer
- 1 storage case

## Size

Mass targets block phantom size:

- W18xD7.5xH11 cm
- W7.5xD3xH4.4 inch

Mass targets block phantom weight:

- 1.3kg / 2.9 lbs

Dot targets block phantom size:

- W13.5xD7.5xH11cm
- W5.4xD3xH4.4 inch

Dot targets block phantom weight:

- 1.0kg / 2.2 lbs