



Caution

Don't mark on the phantom with pen or leave printed materials on its surface.
Ink marks on the phantom will be irremovable.

PH-83

Compressible Mammography Phantom Comp-AY

Instruction
Manual

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General Information

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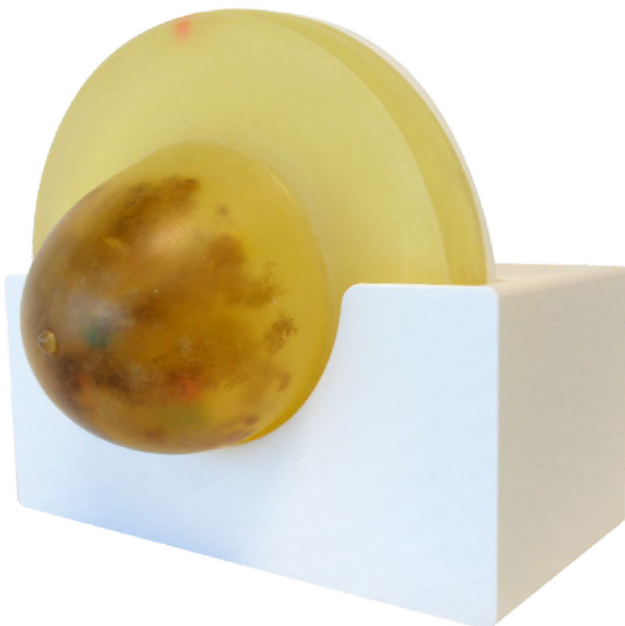
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KYOTO KAGAKU

Before you start

PH-83 is a phantom for hands-on training in patient positioning as well as study of breast compression, allowing for thorough visual evaluation under a variety of scanning conditions and image comparison of different modalities

Manufacturer's note

PH-83 is designed for medical education training and research. Please do not use the product for other purposes. Any other use not in accordance with this manual is strongly discouraged. The manufacturer holds no responsibility for any accidents or damages resulting from such use.

Features

Soft and resilient material of the phantom allows breast compression for imaging.

Three-dimensional structure of simulated mammary gland fibers and tumors to visualize realistic medical images.

Allows for visual evaluation under different scanning conditions and locations of tumors

Allows for image comparison of different modalities such as 2D and 3D mammography.

By rotating the phantom, a variation of location of lesions can be simulated.

Disclaimer

Due to characteristics of polyurethane based materials of the phantom, the breast phantom may contain small amount of air bubbles. And since the natural origin material is used for the mammary gland of the phantom there may be some variations in minor structures.

Kindly be informed that these are not product defect and do not affect the performance of the phantom.

Precautions

- **Handle with care**

This phantom is made from a special composition of resin. Please handle with care, ensure not drop it, and avoid shock as to not damage it.

- **Clean and care**

Clean the phantom completely every time after finishing the training. Any remaining gel may deteriorate the phantom.

Never wipe the phantom or with thinner or organic solvent.

- **Avoid high temperature and humidity**

Keep the phantom at room temperature, away from heat, moisture and direct sunlight.

- **Color change may occur**

The color of the phantom may change over time. This does however not impact the performance.

- **Do not write on the phantom**

Any ink on the phantom will be absorbed and become irremovable.

- **Do not leave printed materials on the phantom**

Do not leave printed materials in contact with the surface of the phantom. Ink may be absorbed and stains will be irremovable.

Specifications Set Includes

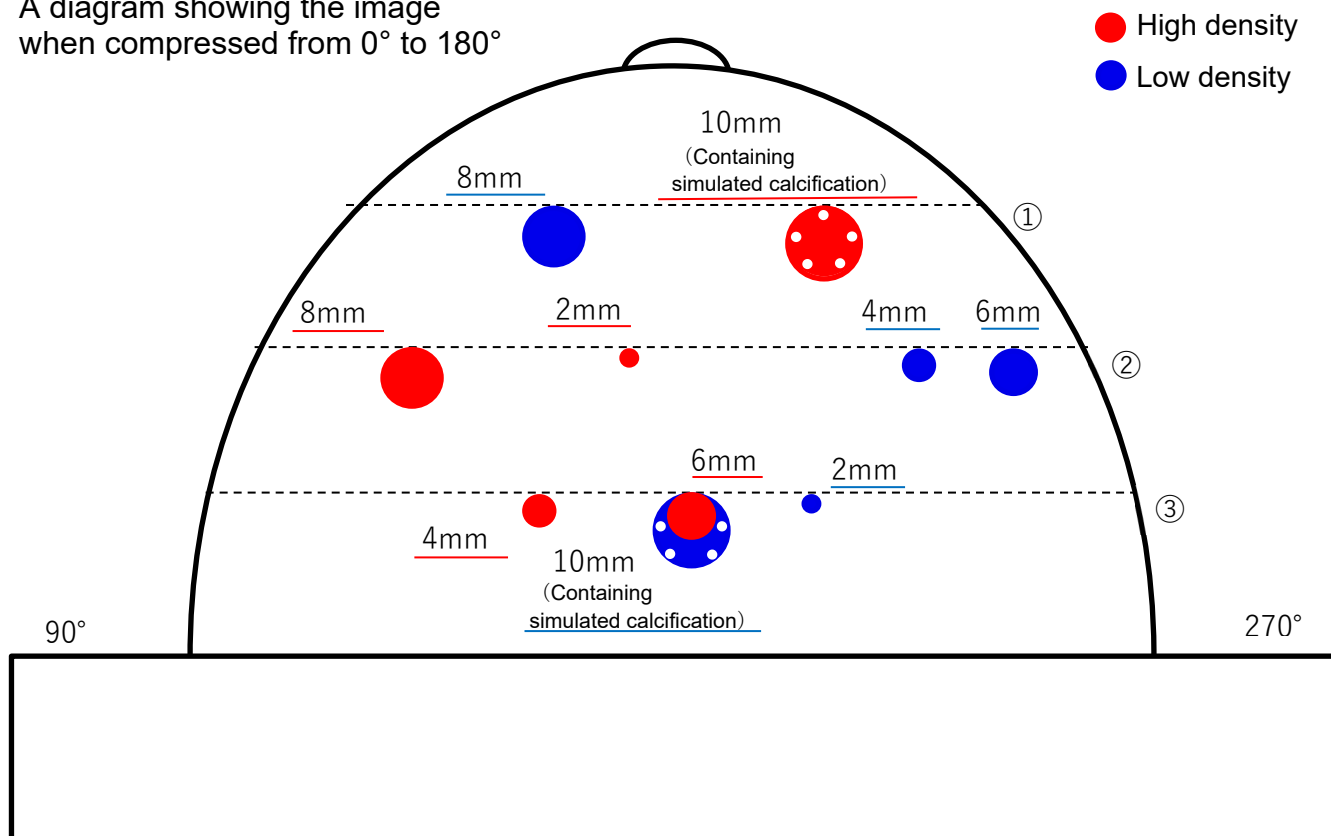
Set includes



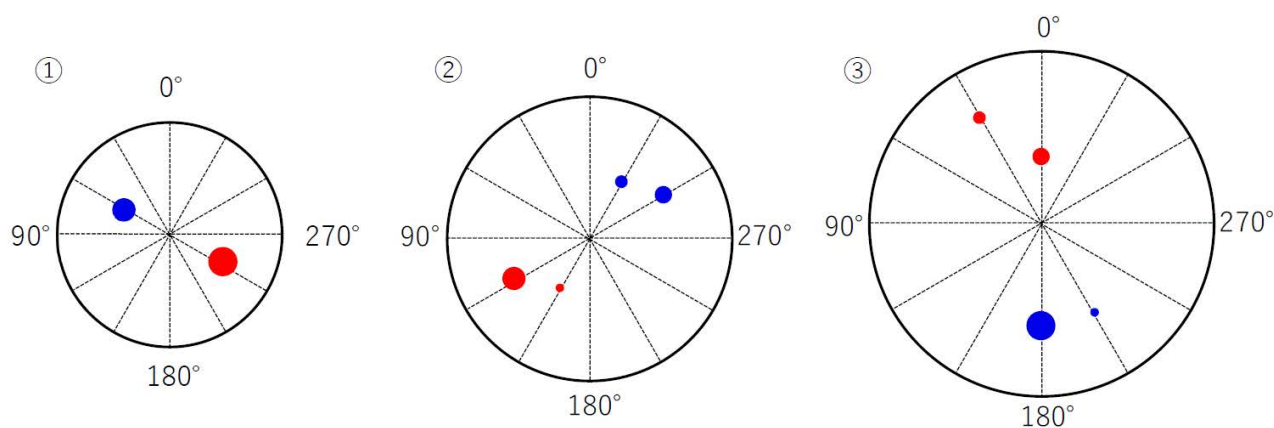
- **Set includes:**
- Before your first use, ensure all components listed below are included in the unit.
 - breast phantom ----- 1
 - supporting holder ----- 1
 - weight tank(1L)----- 1
 - instruction manual ----- 1
 - storage case ----- 1
- **The breast phantom contains:**
 - simulated tumor high density 2,4,6,8,10mm dia., one each
 - low density 2,4,6,8,10mm dia., one each
 - mammary gland
 - calcification tumor almina beads 0.3mm (embedded in the 10mm dia.)
- **Materials:**
 - Poly urethane
- **Dimensions**
 - 260 dia.×120 H (mm)
- **Weight (breast phantom)**
 - 3.2kg

Layout of targets

A diagram showing the image when compressed from 0° to 180°



Layout of each layer



Preparation



For fall prevention, fill the weight tank with water and put it in the space in the supporting holder.

Precaution

- Ensure to tightly close the cap of the weight tank.
- When transporting, always remove the phantom from the supporting holder and carry it separately. Carry the holder while the phantom is set on it may result in dropping the phantom.
- Be sure to empty the weight tank before storage.



Set the breast phantom



Turn the phantom to set a layout for imaging

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Please contact manufacturer with any discrepancies, typos, or mistakes in this manual or product feedback. Your cooperation is greatly appreciated.