

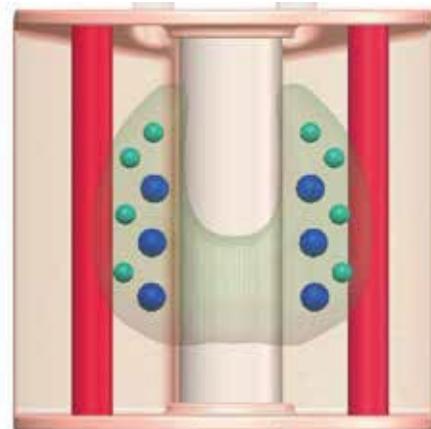
④ Ultrasound Images, Target



transverse view



longitudinal view



Targets: blue 7mm dia. 6 pcs.
green 5mm dia. 8pcs.
Carotid: red 10mm dia. 2 (bilateral)

Consumables

Product Code	Parts
41957-020	Transparent biopsy block for US-25 1 pc
41957-030	opaque biopsy block for US-25 1 pc

For inquiries and service, please contact your distributor or KYOTO KAGAKU CO., LTD.



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US-25

Thyroid Biopsy Phantom

Caution: Do not mark on the model and other components with pen nor leave printed materials contacted on surface.
Ink marks on the models cannot be removed

Instruction Manual



Contents

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- Ultrasound Images
- Target Map

● Manufacture's Note

This product is designed to provide training in ultrasound guided thyroid biopsy. Any use not in accordance with the enclosed instructions is strongly discouraged.

● Features

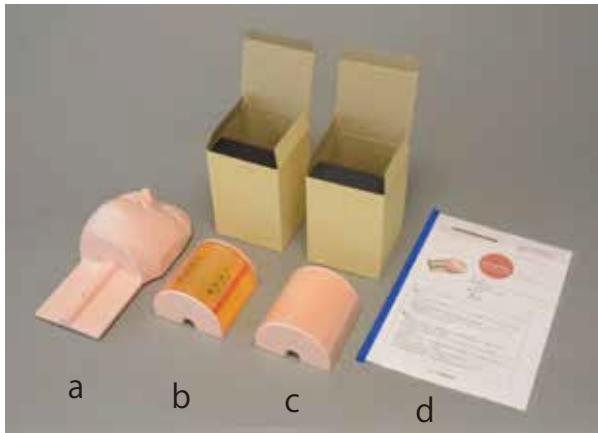
- Originally developed soft-tissue material demonstrates human-equivalent echogenicity.(Nov, 2003)
- The thyroid model includes liquid-filled targets and bilateral carotid arteries to support true-to-life needle aspiration training.
- Transparent and opaque biopsy blocks for introductory and advanced learners, featuring step-by-step acquisition of the biopsy skills.
- Targets in two sizes containing liquid for aspiration are embedded in the thyroid.
- Targets are colored to confirm successful sample collections as well as complications.
- No visible needle marks on the skin surface.
- Designed for repeated training sessions using real ultrasound scanners.

*Ensure that the ultrasound scanner used is properly quality-controlled. Image quality may vary depending on specs, setting or condition of the scanner.

Set Includes

Before you start, ensure that you have all components listed below.

- a. face and neck manikin
- b. transparent biopsy block
- c. opaque biopsy block
- d. instruction manual



⚠️ Precautions

● Handle with care

The materials of the products are a special composition of soft resin. Handle the parts with utmost care at all times

● Remove the ultrasound gel after use

After use, promptly remove the ultrasound gel using a moistened tissue or soft cloth.

NEVER use organic solvents to clean the components.

● Ink marks on the soft surface won't be removable

Don't mark on the product and components with pen or leave any printed materials in contact with their surface.

● Surface color might change over time

Discoloration may occur over time or during prolonged periods of non-use; however, this does not affect functionality.

● Avoid heat and humidity for storage

Store the components in the storage case at room temperature, away from heat, moisture, and direct sunlight, to prevent deformation or material deterioration.

● Remove the protective sheet before use.

The surface of the pads are covered by transparent protective sheets.

1 Preparation



1. Set the biopsy block onto the face and neck manikin.



Peel off the protective sheet from the biopsy block before setting up.

*Remove the stickers on both sides and peel off the sheet slowly. Rapid peeling may damage the pad.

2 Training



1. Apply ultrasound gel on the block.



2. Place the transducer and visualize the targets.



3. Puncture the target and aspirate the liquid in the target.



Recommended size of the needle: 23G
Using biopsy needles of not recommended size may result in:

- difficulty in aspirating the liquid
- damage of the block

3 After Training



1. Gently remove any residual gel from the surface with a moistened tissue or soft cloth.
2. Reattach the transparent protective sheet to the surface of the block for future use.
The sheet protects the surface from damage caused by sharp objects and prevents dust accumulation.



Dried gel may cause surface damage and degrade image quality.

After cleaning, reattach the transparent protective sheet to the surface of the pad.