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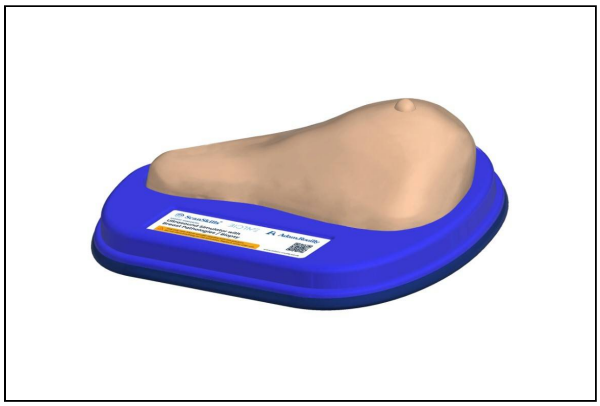
| **Mobile :** | +91 88495 63724 | **Email:** | sem@semtrainers.com |
| **Mobile 1:** | +91 98791 03905 | **Website:** | www.semtrainers.com |

# Ultrasound Simulator with Breast Pathologies/Biopsy, Light

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| Item No. | ARB500 |
| Weight | |
| Make: | Adam, Rouilly Limited, UK |

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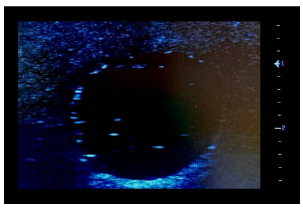
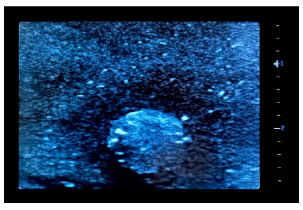
**SKU:**

**Categories:**Ultrasound





## Product Description

Designed for realistic breast ultrasound training, this simulator contains three solid nodules (15–20?mm) and one fluid-filled cyst (18?mm) for biopsy practice. Lifelike echogenic material allows accurate needle insertion, probe handling, and anatomical recognition, enabling repeated, safe training in invasive techniques, pathology identification, and ultrasound proficiency.

Our first release is the exceptional collection of BIOTME ultrasound trainers available in both light and dark skin tones.

These products are simple, powerful training devices which allow repeated, realistic practice of ultrasound guided invasive technique. Additionally, ultrasound machine proficiency, probe dexterity and recognition of anatomical structures can be learnt – all with minimal set up and maintenance.

BIOTME are constructed from a specialist material that mimics real human tissue both in feel and in its echogenic properties. On interventional models, needle traces disappear within a few days after practice (when used with 23G or smaller needles) – enhancing both the realism and cost-effectiveness of these trainers. The materials used in the BIOTME collection are fully recyclable and can be returned to us when the time comes to replace them.

## Skills

- Identification of breast pathologies under ultrasound
- Handling of invasive access devices
- General use of ultrasound machine controls, adjustment and probe dexterity
- Learn invasive techniques safely in a controlled environment

## Features

- For practice of anatomical recognition and biopsy of nodules and cysts within breast tissue
- Contains 3 solid nodules of 15mm, 18mm and 20mm diameter
- One cyst (fluid filled) of 18mm
- Cyst pre-filled with mock blood, easily refill with our **ARB600 Mock Blood Refill Kit**
- Soft, realistic echogenic material which mimics human tissue
- Needle traces disappear after a few days
- Latex free
- Highly mobile all in one trainer on a base with Protective storage cover

## Important

- Ultrasound gel must be used with the models
- Use only new 23G or smaller needles with this product
- Replace cover after use
- Do not store anything on the simulator
- Size (base and lid L/W/H) 253.6, 176.9, 87.2 mm

## Includes

- BIOTME ultrasound simulator mounted on a base
- Protective storage cover
- Instruction manual

**Why Choose the BIOTME Ultrasound Simulator with Breast Pathologies/Biopsy – Light for Your Simulation Lab in India?**

The Ultrasound Simulator with Breast Pathologies/Biopsy – Light (Item No. ARB500, 253.6 × 176.9 × 87.2 mm including base and lid) by BIOTME, distributed by Adam Rouilly Limited, UK is a purpose-built breast ultrasound training simulator — containing three solid nodules and one fluid-filled cyst in lifelike echogenic material, enabling realistic, repeatable training in breast pathology identification under ultrasound and ultrasound-guided biopsy technique. For radiology training programmes, surgery residency courses, oncology nursing training, and NMC-mandated simulation labs in India that need to train breast ultrasound interpretation and biopsy technique before trainees perform these procedures on real patients, this is the dedicated breast-specific ultrasound training platform in the BIOTME range. Ultrasound gel must be used with this model.

The four embedded pathologies cover the two clinically most important breast lesion categories: three solid nodules of 15 mm, 18 mm, and 20 mm diameter — representing the size range requiring biopsy assessment — and one fluid-filled cyst of 18 mm pre-filled with mock blood, enabling aspiration technique training alongside solid nodule biopsy. The three nodule sizes allow a training curriculum that progresses from the larger, easier-to-target 20 mm lesion to the smaller 15 mm nodule, building trainee skill and confidence in probe placement accuracy and needle guidance before working on real patients where lesion size and depth vary. BIOTME's self-healing material means needle traces from biopsy practice disappear within a few days when using 23G or smaller needles — the same simulator is available for repeat training sessions without visible degradation. The cyst can be refilled using the ARB600 Mock Blood Refill Kit (sold separately). Fully recyclable material, latex free, mounted on a base with protective storage cover.

Includes: BIOTME ultrasound simulator mounted on a base, protective storage cover, and instruction manual. Not included: ultrasound machine, ultrasound gel, biopsy needles.

**Why Buy from SEM Trainers?** SEM Trainers & Systems has over 30 years of experience supplying medical simulators and ultrasound training phantoms to 1,500+ institutions across 28 states in India. We provide pan-India delivery, on-site installation, faculty orientation, and dedicated after-sales support.

**Q: What pathologies are embedded in this simulator?** A: Three solid nodules of 15 mm, 18 mm, and 20 mm diameter, and one fluid-filled cyst of 18 mm — covering the two main breast lesion types requiring ultrasound-guided biopsy assessment.

**Q: Can the cyst be aspirated and refilled?** A: Yes. The 18 mm cyst is pre-filled with mock blood for aspiration practice and can be easily refilled using the ARB600 Mock Blood Refill Kit (sold separately).

**Q: Do needle traces remain after biopsy practice?** A: No. BIOTME's self-healing material means needle traces disappear within a few days when using 23G or smaller needles.

## Manufacturer

BIOTME