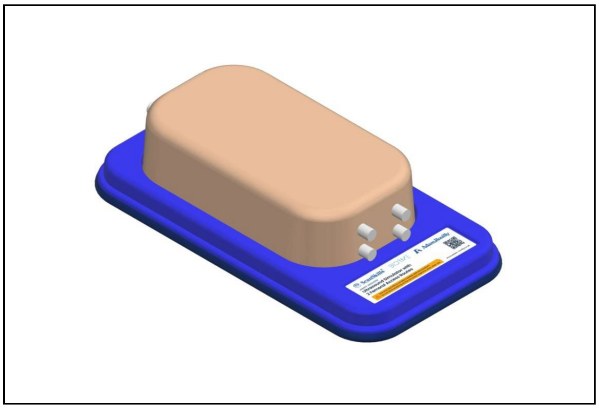
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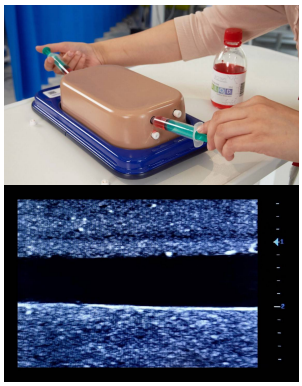
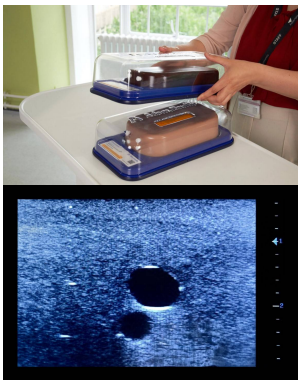



# Ultrasound Simulator with 2 Femoral Access Routes, Light

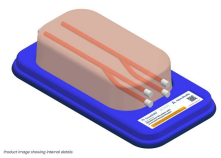
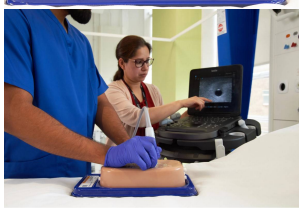
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**SKU:**

**Categories:**Ultrasound



## Product Description

Designed for realistic, repeatable ultrasound-guided vascular access training, this simulator supports probe control, anatomy recognition and invasive technique practice with minimal setup. Lifelike echogenic material mimics human tissue, while two bifurcated femoral veins (approximately 8 mm) positioned at around 20 mm depth allow accurate needle insertion and ultrasound confirmation.

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

## Features

- Contains two bifurcated veins of diameters approximately 8mm and located 20mm below the surface of the simulator for vascular access.
- Soft, realistic echogenic material which mimics human tissue
- Needle traces disappear after a few days
- Tubeless veins occlude when pressed either by hand or ultrasound probe
- Vein occlusion is visible under ultrasound
- Latex free
- Allows for mock blood to be extracted or liquid to be injected
- Veins pre-filled with mock blood. Easily refill with our **ARB600 Mock Blood Refill Kit**
- 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) 338, 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 2 Femoral Access Routes – Light for Your Simulation Lab in India?**

The Ultrasound Simulator with 2 Femoral Access Routes – Light (338 × 176.9 × 87.2 mm including base and lid) by BIOTME, distributed by Adam Rouilly Limited, UK is a purpose-built ultrasound-guided femoral vascular access trainer — containing two bifurcated femoral veins of approximately 8 mm diameter positioned at around 20 mm depth in lifelike echogenic material, enabling realistic, repeatable ultrasound-guided needle insertion and femoral vein cannulation training. For emergency medicine training programmes, interventional radiology courses, critical care medicine training, and NMC-mandated simulation labs in India that need a dedicated femoral access simulator for ultrasound-guided technique training, this trainer covers the specific anatomical configuration of the femoral vein — larger vessel diameter, greater depth, and bifurcated anatomy — that makes femoral access distinct from peripheral venous and radial artery access. Ultrasound gel must be used with this model.

The two bifurcated femoral veins are pre-filled with mock blood, enabling mock blood extraction practice and fluid injection training on the same simulator. BIOTME's self-healing specialist material means needle traces disappear within a few days when using 23G or smaller needles — each session is available on the same unaltered simulator surface without visible evidence of prior punctures, significantly extending the trainer's useful life. Tubeless veins occlude when compressed by hand or ultrasound probe, with occlusion visible under ultrasound — training the critical compression assessment step used clinically to differentiate femoral vein from femoral artery before cannulation. The ARB600 Mock Blood Refill Kit is available separately for easy refilling. Fully recyclable BIOTME material can be returned when replacement is needed. Latex free. Highly mobile, mounted on a base with a protective storage cover.

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

**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 femoral vein dimensions and depth does this simulator replicate?** A: Two bifurcated

femoral veins of approximately 8 mm diameter, positioned at approximately 20 mm below the tissue surface — accurately replicating the clinical depth and vessel size of femoral venous access.

**Q: How does this differ from the Ultrasound Simulator for Radial Artery Catheterisation (ARB401)?** A: ARB401 trains radial artery catheterisation — smaller vessels (2.5–4 mm), 10 mm depth, arterial. This trainer covers femoral venous access — larger bifurcated vessels (8 mm), 20 mm depth, venous — a clinically distinct procedure requiring a different simulator.

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

## Manufacturer

BIOTME