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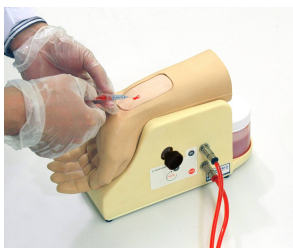
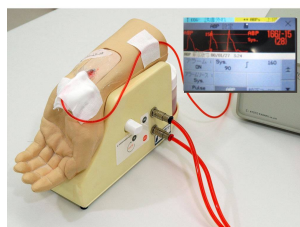
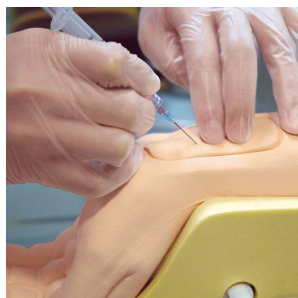
Arterial Puncture Training Wrist

Item No. M99
Weight 1.5kg
Brand KYOTO KAGAKU, JAPAN

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SKU:

Categories: Injections and Punctures



Product Description

Why Choose the Kyoto Kagaku Arterial Puncture Training Wrist (M99) for Your Clinical Skills Lab in India?

The Arterial Puncture Training Wrist (Item No. M99) is a 1.5 kg powered arterial blood sampling and

radial line placement simulator from Kyoto Kagaku, Japan — developed under the clinical supervision of **Dr. Hiroshi Koyama, Medical Director, General Internal Medicine, National Hospital Organization Kyoto Medical Center** — and the only dedicated arterial puncture trainer in this catalogue. For medical schools, nursing colleges, critical care training programmes, ICU fellowship programmes, and clinical skills labs in India where arterial blood gas (ABG) sampling and radial arterial line placement are core competency requirements, the M99 provides the palpable pulse, realistic tissue resistance, and natural blood flashback that cannot be replicated on a venous trainer.

Arterial puncture is fundamentally different from venous access in every tactile dimension — the artery must be located by palpation, the needle angle and insertion pressure differ, and correct placement is confirmed by pulsatile blood return rather than passive flashback. The M99 trains all three. A built-in circulation pump generates a palpable radial pulse at the wrist surface, giving trainees the correct palpatory landmark before needle insertion. The tissue and artery wall layers replicate realistic needle resistance through each layer — skin, subcutaneous tissue, and arterial wall — ending with the natural flashback of simulated blood into the syringe that confirms correct intra-arterial placement. The dual-layer puncture skin design (inner and outer skin) maintains realistic surface feel across repeated training sessions and is independently replaceable to extend trainer life.

Three clinical skills are trainable on the M99:

- Radial arterial puncture for arterial blood gas (ABG) sampling
- Artery blood sampling technique
- Radial arterial line placement

The power supply accepts 100–240V AC at 50/60 Hz — fully compatible with Indian mains without a voltage adaptor. The simulator is CE certified.

Recommended Devices: ABG kit, 22–25G needle.

Replacement Parts Available:

- 11351-010 — Replacement skin set (1 set)
- 11351-030 — Replacement silicone tape (4 pieces)
- 11351-040 — Replacement artery tube (4 tubes)
- 11266-080 — Colouring powder, red (1 jar)

Box Contents: Wrist and hand model, circulation pump, 2 sets of puncture skins (inner and outer), 4 artery tubes, 1 silicone tape, 1 jar of colouring powder (red), 1 spoon, 2 plastic jars, 2 connection tubes, 1 vinyl sheet, 1 syringe, storage case, and instruction manual.

Why Buy from SEM Trainers? SEM Trainers & Systems has over 30 years of experience supplying medical simulators to 1,500+ institutions across 28 states in India. We provide pan-India delivery, on-

site installation, faculty orientation, and dedicated after-sales support.

Frequently Asked Questions

Q: What makes arterial puncture training different from venous training — and why does it need a dedicated simulator? A: Arterial access requires palpation-guided needle placement, a steeper insertion angle, and recognition of pulsatile blood return as the confirmation of correct placement. None of these skills can be practised on a venous trainer. The M99 replicates all three, including the palpable radial pulse that guides needle placement.

Q: How is the pulse generated? A: A circulation pump included in the kit circulates simulated blood through the artery tube, generating a palpable radial pulse at the wrist surface — replicating the pulse the clinician palpates to locate the radial artery before needle insertion.

Q: What needle size is recommended? A: An ABG kit using a 22–25G needle is recommended, matching the instruments used in clinical radial arterial puncture practice.

Q: Are replacement parts available when consumables are exhausted? A: Yes. Replacement skin sets, silicone tape, artery tubes, and colouring powder are all available separately — contact SEM Trainers for current consumables pricing.

Q: Is the power supply compatible with Indian mains? A: Yes. The circulation pump accepts 100–240V AC at 50/60 Hz — no voltage adaptor is needed anywhere in India.

Q: Is this product CE certified? A: Yes. The M99 is CE certified.

Q: What are the dimensions of the wrist model and pump? A: Wrist and hand model: approx. W20 × D9 × H16 cm. Circulation pump: approx. W20 × D16 × H13 cm.

An essential simulator to increase confidence and competence / Arterial blood sampling and cannulation is a common yet delicate procedure. With the innovative design of the arterial puncture simulator, a true-to-life experience can be simulated to ensure correct techniques and boost proficiency.

Features

Training skills / Applications

Set includes

1. Palpable arterial pulse 2. Realistic resistance of tissue and artery wall felt with the injection needle 3. Natural flashback

Radial arterial puncture / Artery blood sampling / Radial line placement

1 wrist and hand model / 1 circulation pump / 2 sets of puncture skins (inner and outer skin) / 4 artery tubes / 1 silicon tape / 1 jar of coloring powder (red) / 1 spoon / 2 plastic jars / 2 connection tubes / 1 vinyl sheet / 1 syringe / 1 storage case / 1 instruction manual

Size (approx.)

Packing size (approx.)

Weight (approx.)

Packing weight (approx.)

Power source

Power requirements (approx.)

Replacement parts

Production ? Development Supervision

Recommended Devices

CE certified/CE Certification?

Update

W20 x D9 x H16cm, W7.9 x D3.5 x 6.3in (manikin size) W20 x D16 x H13cm, W7.9 x D6.3 x H5.1in (pump size)
W51x D45x H32cm/W20x D18x H12.5in
1.5□ / 3.3lb
8kg/19lb
AC100-240V 50/60Hz
8W
11351-010 1 replacement skin set / 11351-030 4 replacement silicon tape / 11351-040 4 replacement artery tube / 11266-080 1 jar of coloring powder
Dr. Hiroshi Koyama, Medical Director, General Internal Medicine National Hospital Organization Kyoto Medical Center
AGB kit 22-25G
Yes
October 10, 2020