

# M50B-A Simulator Intravenous Arm II a

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## Instruction Manual



 KYOTO KAGAKU co..LTD

## M50B-A Simulator Intravenous II

This simulator provides training in intravenous injection and blood collection at antecubital fossa.

This simulator is designed for training in medical and nursing education only. Do not use for any other purpose.

Read this manual carefully before use and follow all instructions.

Damage caused by misuse, theft, fire, inadvertent breakage or usage not in accordance with this training manual is not warranted by the manufacturer.

Do not handle the simulation model with force.

### Features:

1. Life-like vein palpation and realistic needle tip feeling.
2. Three veins for practice: Basilic, Median antebrachial and Cephalic veins.
3. Injection pads are easily replaceable.
4. No needle marks remain.
5. Simple and easy maintenance.

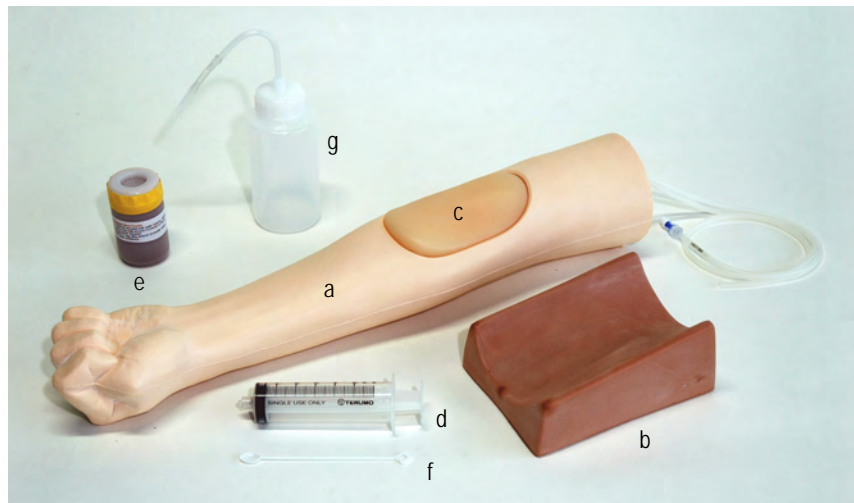
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- Please contact manufacturer with any discrepancies, typos, or mistakes in this manual or product feedback. Your cooperation is greatly appreciated.
- No part of this instruction manual may be reproduced or transmitted in any form without permission from the manufacturer. Please contact manufacturer for extra copies of this manual which may contain important updates and revisions.
- The contents of the instruction manual are subject to change without prior notice.

# Overview

## Set includes:



- a. Arm model ----- 1
- b. Supporter stand -----1
- c. Injection pad for M50B-A ---1
- d. Syringe -----1
- e. Coloring powder (red) -----1
- f. Spoon -----1
- g. Injection bottle -----1

## Sizes and dimensions:

Forearm model: Adult life size

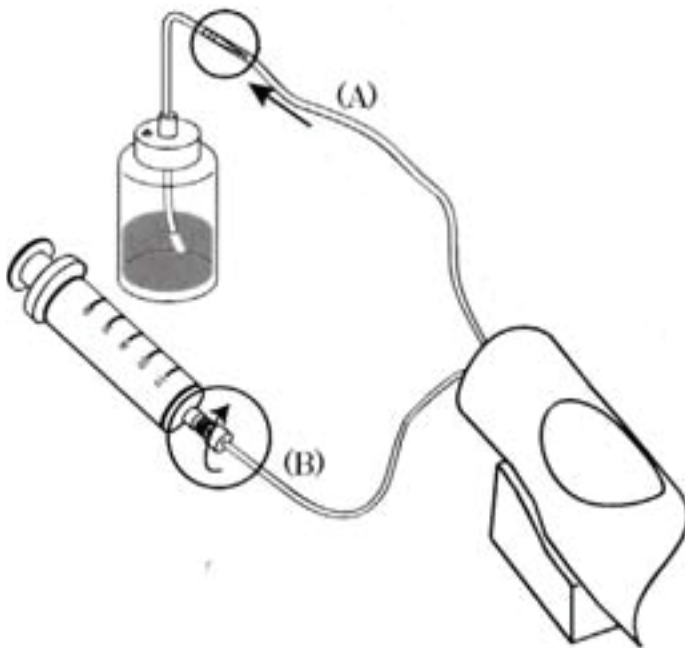
Packing size: W58 x D15 x H19 cm

2.6kg

## A. Preparation and Set-up



A-1. Put a little pinch of the coloring powder and 100-150cc of the water into the injection bottle and stir together.



A-2. Insert the pouring lip of the injection bottle into the opening end of tube from the puncture pad . (A)

Make sure the lip is inserted deep enough, so that the tube tip covers the third ring.

A-3. Put the tip of the syringe to the other end of the tube and fix it by screwing clockwise.(B)



A-4. Fill the vein tube with the simulated blood (red fluid) by **pulling** the piston **slowly**.

A-5. When the whole length of the tube has filled with the fluid, disconnect the syringe by turning the tip counter-clockwise.

(The tube tip is self-locked by the connector.)

### Caution!

Do not push the piston.  
Do not pull the piston too quickly.

## B. Training Session

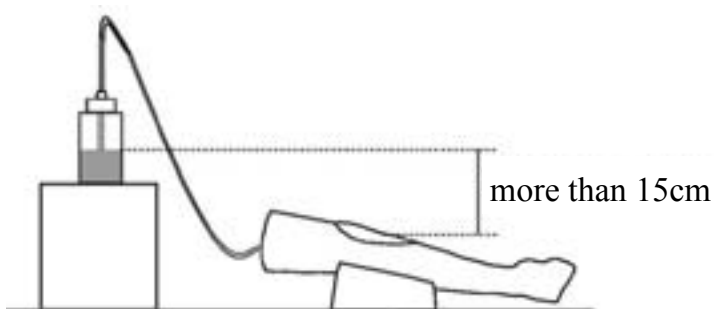


B-1. Now, the simulator is ready for training sessions.



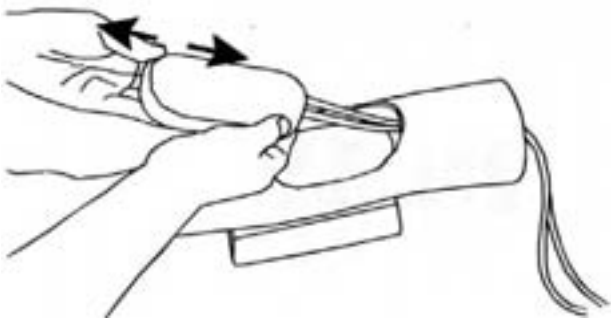
B-2. Feel for vein tubes and make a puncture.

- Three lines of vein are embedded in a pad for practice.
- When the puncture is successful, change in the resistance to the needle tip can be felt, and the fluid can be collected.



B-3. "Flash-back" can be simulated by setting the bottle high so that the fluid surface comes more than 15cm higher than the pad.

## C. Maintenance and Storage



### C-1. Replacement of pads

The injection pad is a consumable part.

Order a new one when it gets worn out and replace with the old one.

Make sure not to get the tubes pinched or folded.

### C-2. Storage

Store the simulator at room temperature, away from heat, moisture and direct sunlight.

Putting talcum powder will keep the fine skin feeling.

Do not store the simulator in place hotter than 50degrees C.

\* You may find wrinkle marks on the surface of the pad after long storage.

These marks will be easily wiped off with wet cloth.

## DOs and DON'Ts

### DOs

#### **Discharge all the fluid from injection pads after each training session.**

Remaining fluid may cause damage to the pads.

#### **Handle with care**

The materials for the models are a special composition of soft resin. Please handle them with the utmost care at all times.

Store the simulator in storage case at room temperature, away from heat, moisture and direct sunlight.

### DON'Ts

Never wipe the simulator by thinner or organic solvent.

Don't mark on the simulator with a pen or leave any printed materials in contact with their surface.

**Ink marks on the models will not be removable.**

**Do not pinch the soft surface of injection pads.**

Do not hang the injection pad by holding the tubes.

Do not grab or push the wall of the injection bottle while it contains any fluid and is not connected to the simulator.

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