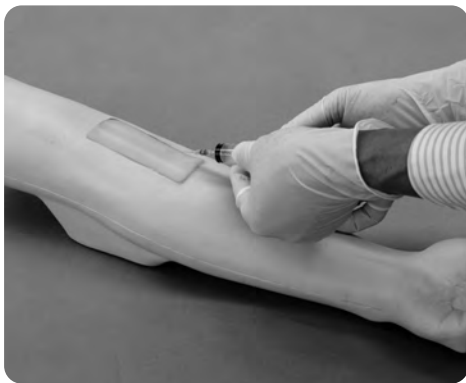


M50D / M50E

Basic IV Arm

Instruction Manual



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Introduction

Manufacturer's note

The Intravenous Arm is realistic with fine details, inexpensive and durable, making it perfect for a large number of trainees to practice basic skills required for their courses. There are four New Intravenous Arms included in the set. Light weight and portable, these arms are easy to set up for trainees to practice on.

● Features

- Life-like vein and realistic needle tip feeling.
- Injection pad is easily replaceable and durable.
- No needle marks remain.
- Hemorrhage can be stopped by compressing with the finger.
- Adhesive tape sticks well to the arm and can be easily removed.
- Arm and integrated support stand allows for quick and easy set up.
- Compact, light weight and portable

DOs and DON'Ts

DOs

The materials for the models are special compositions of soft and hard resin.

Please handle them with the utmost care at all times. Store the training set at room temperature, away from heat, moisture and direct sunlight.

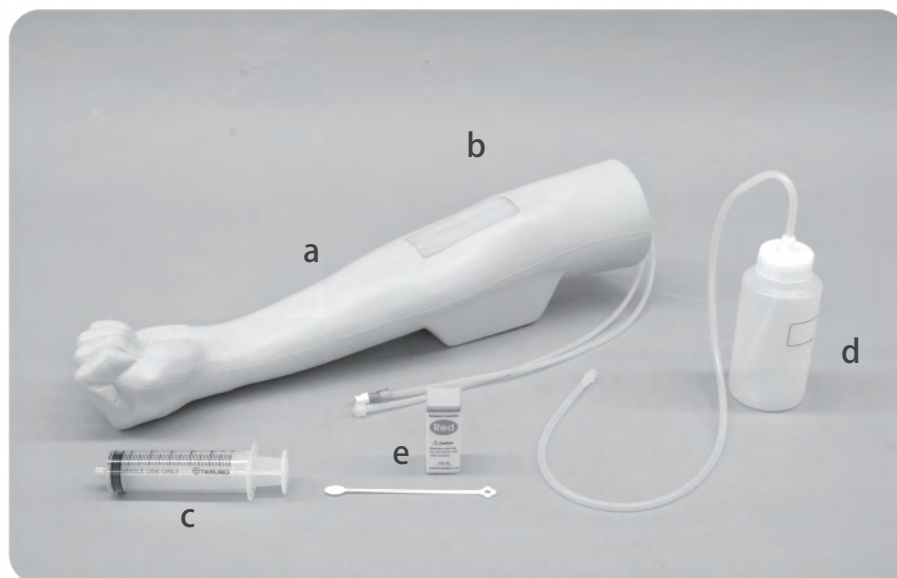
DON'Ts

Never wipe the simulator with thinner or organic solvent.

Don't mark on the simulator with pen or leave any printed materials in contact with their surface. Ink marks cannot be wiped out.

Set Includes

Before your first use, ensure that you have all components listed below.



〈 Simulator contents〉

a. Arm model with support stand	1
b. Injection pad	1
c. Syringe	1
d. Bottle for simulated blood	1
e. Simulated blood	1
Carrying bag (M50D only)	1
Instruction manual	

Preparation

Preparation the simulated blood Connection of the tube

1 Preparation the simulated blood

Prepare the simulated blood.

1. Pour approx 200mL of water into the bottle. Scoop red blood powder to the tip of the small spoon provided in the set and stir the water sufficiently to prepare the simulated blood.



Caution

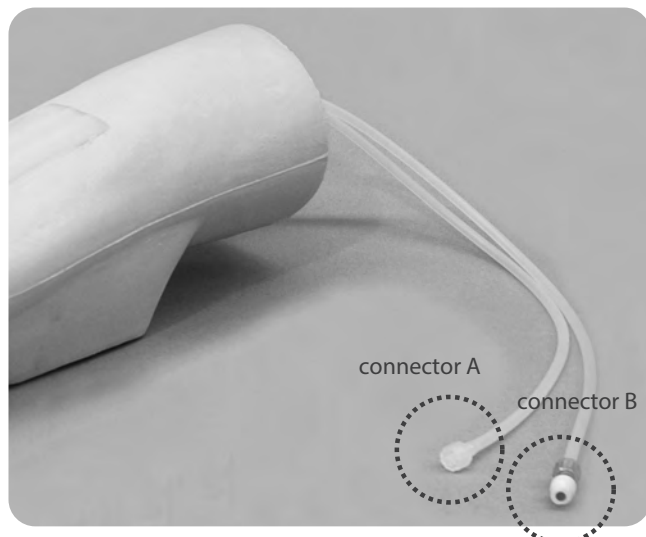
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Take care not to drop simulated blood on clothes, as simulated blood stains can be very difficult to remove.

2 Connection of the tube

1. Connect the tubes from the pad and from the bottle.

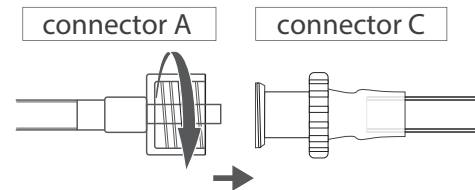
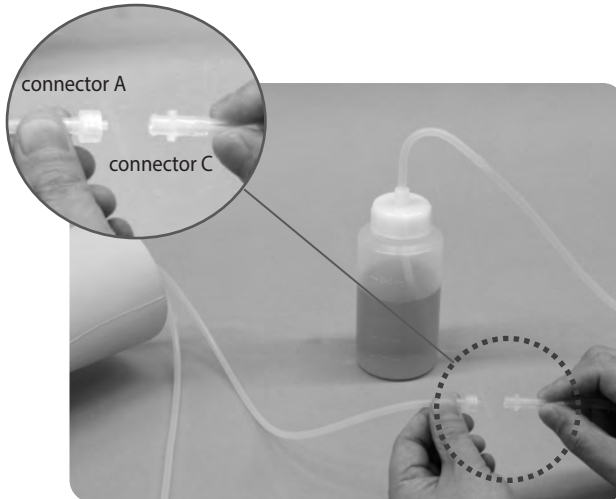
Injection pads are set on the arm model body when delivered. Two tubes, which are connected to the pad, come out from the shoulder side of the arm model.

Please note that the connector ends for the two tubes are different.



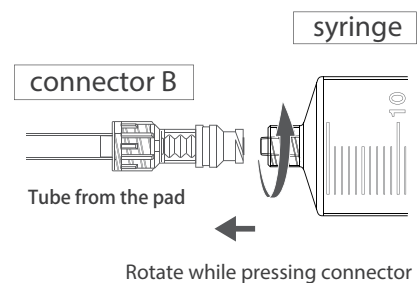
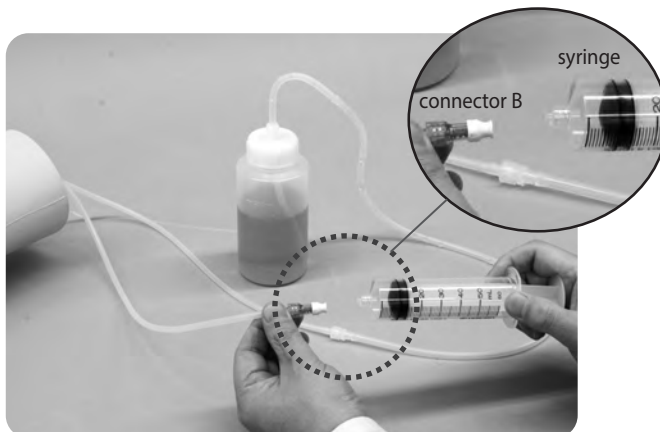
2 Connection of the tube

2. Connect the tube (connector C) from the bottle with the tube (connector A) from the injection pad.



Engage the connector A by rotating it clockwise while pressing it to the connector C.

3. Aspirate a small amount of air pulled into the syringe. Then connect the syringe to the connector B.

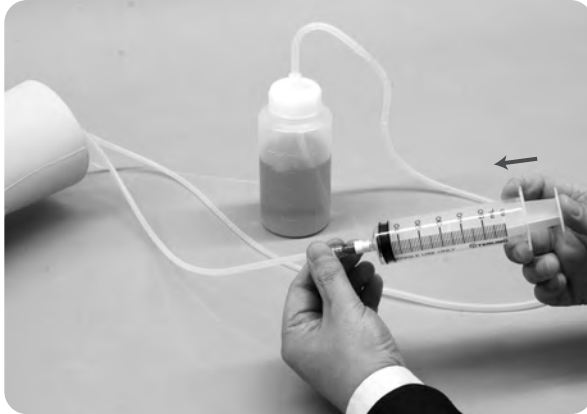


Caution

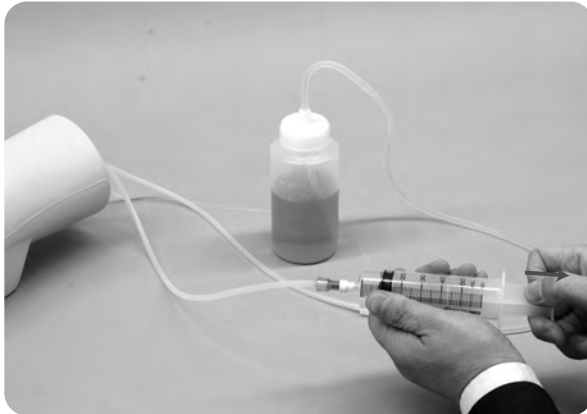
.....
Ensure to rotate the connector until it stops to release the interlock. If the rotation is halfway, liquid would not flow through the tube.

3 Fill the simulated blood

1. After the syringe is connected to the tube, push the small amount of air into the tube.



2. Then draw the piston of the syringe slowly to fill the tubes and pads with the simulated blood.

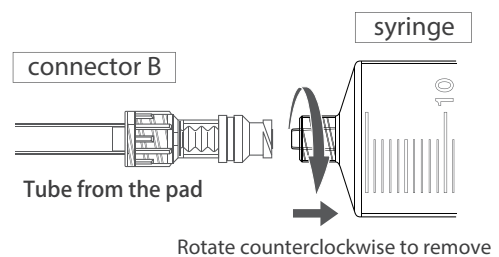


Caution

.....
Draw the piston of the syringe slowly. The tube within the pad might be damaged if you draw the piston too quickly.

When the simulated blood does not flow into the tube, check if the connectors are securely fastened. Do not draw the piston forcibly.

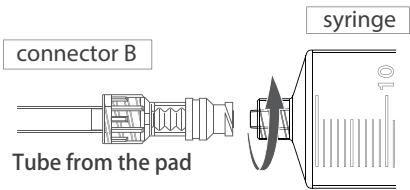
3. After the simulated blood reaches the syringe, remove the syringe from the tube. Now the simulator is ready for training session.



1 After training

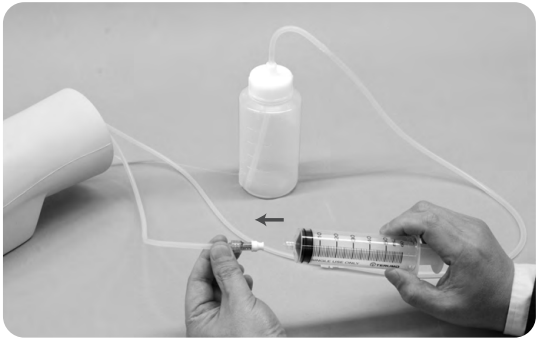
Discard the simulated blood from the pads and tubes after practice.

1. Discard the simulated blood left in the blood bottle.

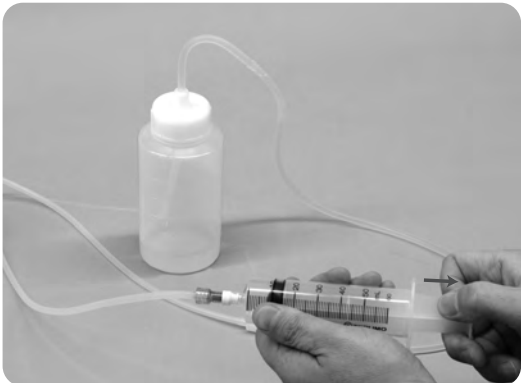


Rotate while pressing connector

2. Connect the syringe (50mL) to connector B at the free end of the tube. Draw the piston slowly to pull the simulated blood into the tube. Discard the simulated blood in the syringe.



3. Pour approx. 50mL of water into the empty bottle. Then draw the water with the syringe to clean the inside of the tubes. Suck up the water to empty the tubes completely.

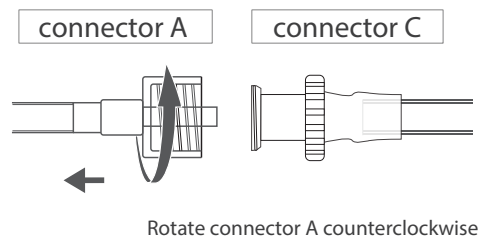
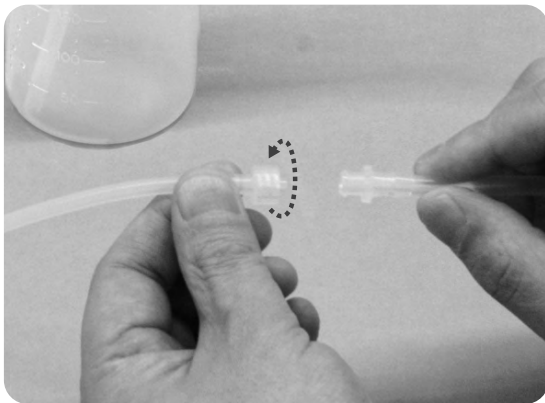
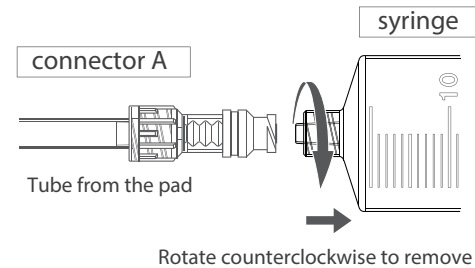
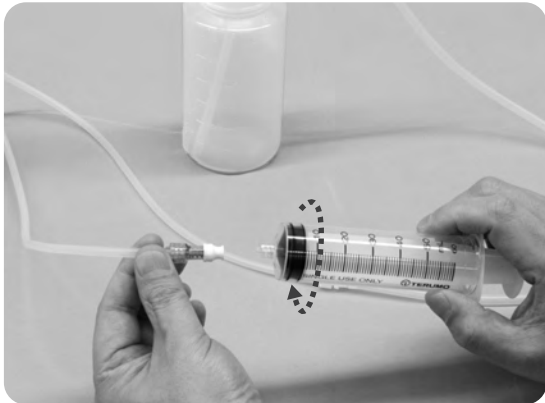


.....
Always draw the piston of the syringe slowly and carefully.

The tubes in the pads could be damaged if you push the piston of the syringe, which increases the internal pressure of the tube, or draw the piston too quickly.

1 After training

4. After the inside of the tubes is cleaned, disconnect the connectors that join the syringe and the tubes.



Store all the cleaned components in the storage case after they have dried completely.

Replacement of injection pad

Remove the injection pad Installation the injection pad

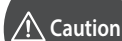
1 Remove the injection pad



1. Remove the pad from the arm model by lifting up a corner of the pad on the periphery side.



2. Pull out the tubes that run through the arm model body by drawing the Injection pad after the pad is detached from the model.



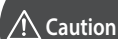
.....
To remove it smoothly, pull off the pad from the arm model body while holding the tubes on the other side with one hand.

2 Installation the injection pad

1. Insert the two tubes of the new injection pad into the hole in the trench of the pad. Push forward the tubes to the shoulder side of the arm model body. When the ends of the tubes come out from the hole on the shoulder side, pull the two tubes to guide them to the trench for the pad.



2. Insert the pad into the trench from the end on which the tubes are connected. Fit the other end into the periphery side of the trench.



.....
When inserting the tubes of the injection pad, always hold the pad by one hand and the tubes by the other hand. To avoid breakage of parts, do not pull the tubes to install the pad without holding the pad by hand.



Caution

Do not mark on the model with a pen or leave printed materials in contact with the model surface. Ink marks on the model are not removable.

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

Consumable
parts

code	name
11388-200	Injection pad for median arterial vein



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