

# M181 I. V. PAD



SAKAMOTO MODEL  
CORPORATION

User's Manual (151218)

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**Note**

Confirm the main unit and accessories directly after the product arrives. If there is any defect or breakage, inform the dealer or Sakamoto Model.

株式会社坂本モデル



## Introduction

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Thank you for purchasing our product, “I.V. PAD”

Read this user’s manual carefully in order to use the product for a long time appropriately.

This product is closely checked before factory shipment. However, when this product arrives, open it soon, and check if anything on the main unit and accessories are missing or broken.

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## **Purpose**

1 Intravenous injection training

2 Blood sampling training

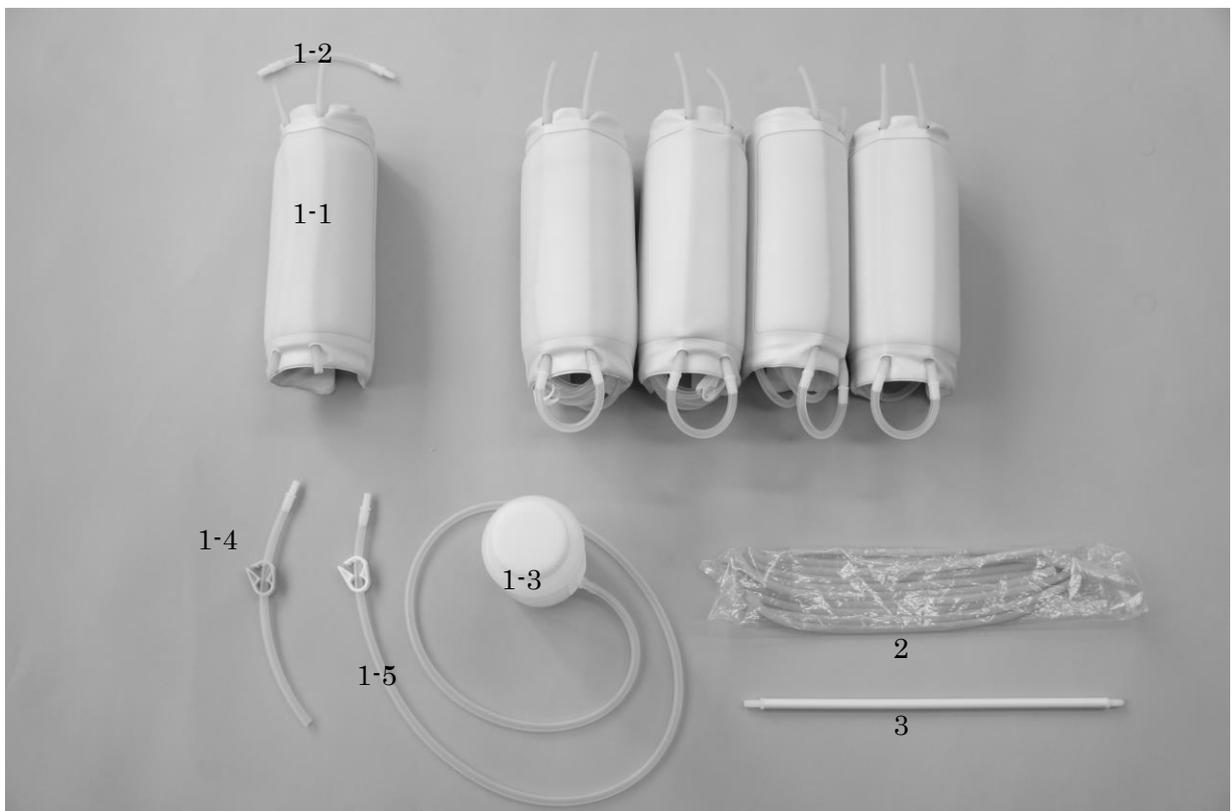
## **Content**

1) I.V. Pad training kit (5 pcs.) – 5 sets

- 1-1. I.V. Pad
- 1-2. U-shaped tube
- 1-3. Receptacle
- 1-4. Silicon tube with yellow clasp
- 1-5. Silicon tube with white clasp

2) Exchangeable blood vessel (standard) – Qty. 10

3) Stick for exchanging vessels – Qty. 1

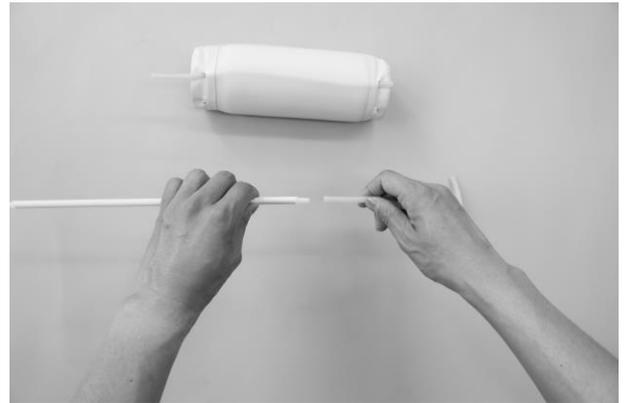
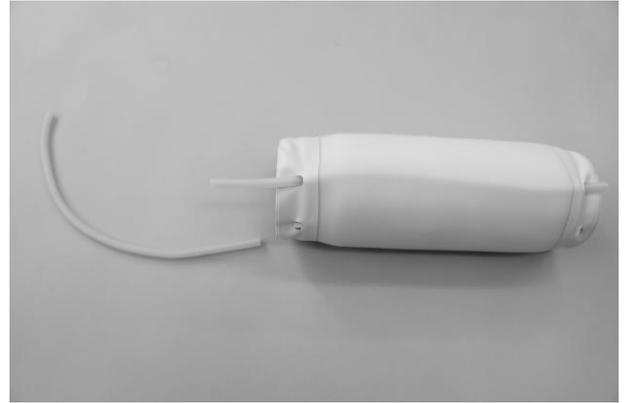


## **Cautions on Use**

- 1) When dyeing water in order to simulate blood, use our Stock Solution for Simulated Blood (sold separately) and dilute it with water.  
If a dark colored solution (higher concentration) is used, the ink may stain the injection area on the skin.
- 2) Be careful that the connector in the middle of the tube does not disconnect accidentally during use.
- 3) Use new needle tips when performing injection training with this product. Otherwise, it can cause the skin of the I.V. Pad to deteriorate.
- 4) Never inject the needle in an upright direction nor use excessive force that may pierce all the way through the I.V. Pad. Doing so is extremely dangerous and can cause serious injury.
- 5) When using this product for training purposes, conduct the training in pairs with one person playing the role of the patient and wearing the I.V. Pad.
- 6) If a defect or problem with the product is discovered during use, stop using the product immediately and contact Sakamoto Model.
- 7) This product is a simulator capable of supporting advanced medical training. However, Sakamoto Model does not guarantee the same results during actual treatment.
- 8) Please note that the specifications of this product may be changed without prior notice in order to make improvements to the product.
- 9) If the blood vessel is accidentally removed from the I.V. Pad:  
\*Refer to the next page for item 9.

## **If the blood vessel is accidentally removed from the I.V. Pad**

- 9) If the blood vessel is accidentally removed from the skin section of the I.V. Pad, connect it to one side of the stick for exchanging vessels, and then insert the stick and vessel into the I.V. Pad. (Refer to the pictures on the right)



## Instructions for Use

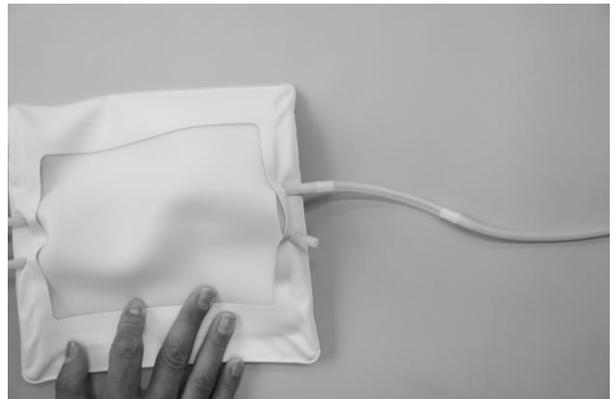
(When using this product for the first time, refer to step 8 on the next page.)

### Steps 1-7: Blood vessel exchange procedure (Refer to the pictures on the right)

We recommend exchanging the blood vessels before each training session in order to prevent the I.V. Pad from leaking.

- 1) Disconnect the U-shaped tube on one side.  
(The connector stays connected to the U-shaped tube.)
- 2) Connect the exchangeable blood vessel to the connector on the U-shaped tube.
- 3) Open and unroll the I.V. Pad so it is flat.
- 4) Pull the blood vessel from the opposite side so the tube that is inside the I.V. Pad is changed out.  
If part of the connector gets caught, gently pull the tube through without forcing it.
- 5) Remove the blood vessel that is no longer needed, and reconnect the connector on the U-shaped tube.
- 6) Change out the other tube on the opposite side following the same procedure.
- 7) If the blood vessel is not straight or winds through in an S-shape, open and unroll the I.V. Pad so it is flat. Then, pull on both ends of the blood vessel as the I.V. Pad rolls back up, and the tube should straighten out.

\*Refer to the next page to continue to step 8.



- 8) Connect the silicon tube with the white clasp to one side of the blood vessel in the I.V. Pad and to the receptacle.
- 9) Connect the silicon tube with the yellow clasp to the other side of the blood vessel in the I.V. Pad.
- 10) Close the yellow clasp and fill up the receptacle with water (approximately 250 ml).
- 11) Open the yellow clasp to fill up the tube with water.  
Have a tray or container ready because the water will discharge.  
(Loosen the cap on the receptacle if the water does not discharge.)
- 12) The I.V. Pad uses an arm band that naturally fits and curls around your arm.  
Open the arm band to fit it onto a person playing the role of the patient or onto a dummy model.
- 13) Use this product to carry out training.

\* When exchanging the blood vessel during training, close the white clasp and disconnect the silicon tube with the white clasp from the I.V. Pad. Have a tray or container ready because the water will discharge. Thereafter, disconnect the silicon tube with the yellow clasp from the I.V. Pad, and exchange the vessel following steps 1 through 7 under the “Instructions for Use.”

## **Storage Instructions**

- 1) Close the white clasp, and disconnect the silicon tube with the white clasp from the I.V. Pad.  
Have a tray or container ready because the water will discharge.
- 2) Discharge the water that is inside the tube and the receptacle.
- 3) Disconnect the silicon tube with the yellow clasp.
- 4) Dry out each part at room temperature.
- 5) Roll up the silicon tube with the yellow clasp and the silicon tube with the white clasp. Place them as well as the receptacle inside the I.V. Pad. Then, put the whole I.V. Pad training kit inside a bag to store it.
- 6) Avoid storing the product in direct sunlight or in locations with high temperature and humidity.

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**SAKAMOTO MODEL**  
C O R P O R A T I O N

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