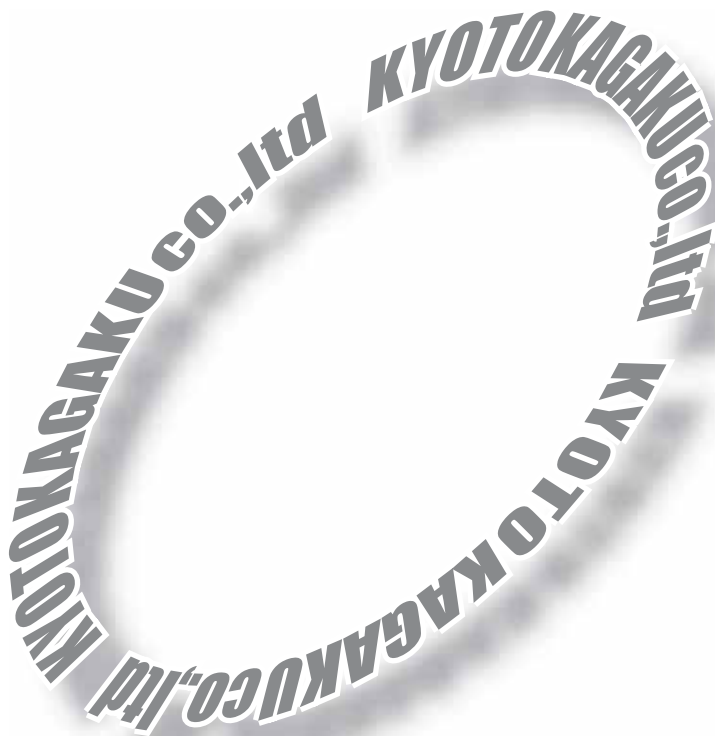


# M87 Strap-on Venipuncture Trainer

Instruction manual



## M87 Strap-on Venipuncture Trainer

The simulator is designed for training in IV injection and blood collection. Do not use for improper purpose. Please read the instruction carefully before use.

### Features

Vein tube makes three lines, two normal and one thin, at the central part of the pad.

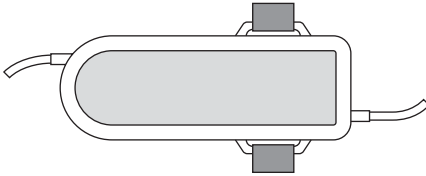
Realistic tissue and vein wall resistance.

Vein tube can be filled and refilled easily using the soft plastic bottle works as a manual pump.

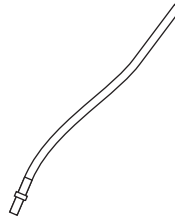
Replaceable puncture pad.

Parts for 1 set

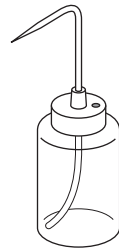
Trainer  
(a frame and a puncture pad)



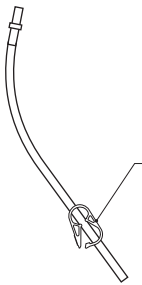
Injector tube



Injection bottle

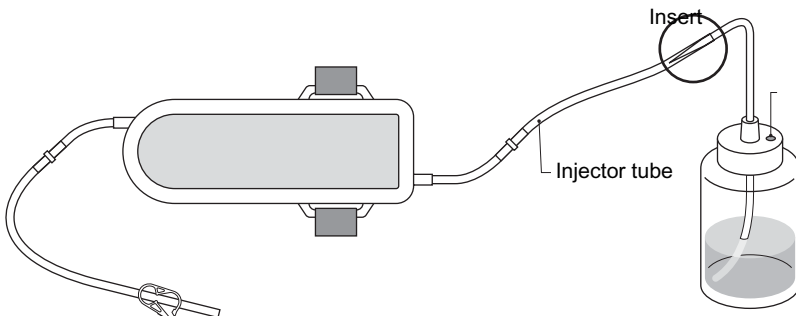


Drainage tube with clamp



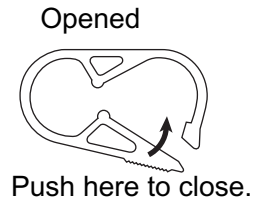
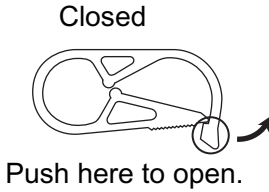
Before training

1. Put 300cc of water or simulated blood (coloring powder is not included in a standard set) into the injection bottle.
2. Insert the tip of the bottle tube to the injector tube.

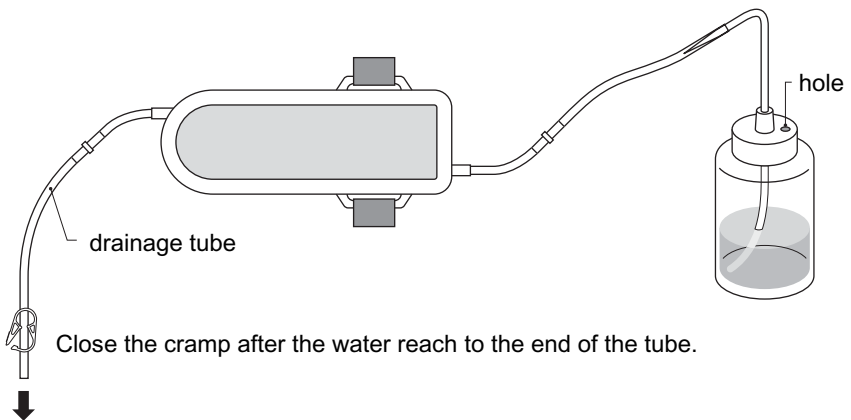


## Before training 2

3. Prepare a bucket for discharged water.
4. How to fill the vein tube with water.
  - (1) Open the clamp attached to the drainage tube.

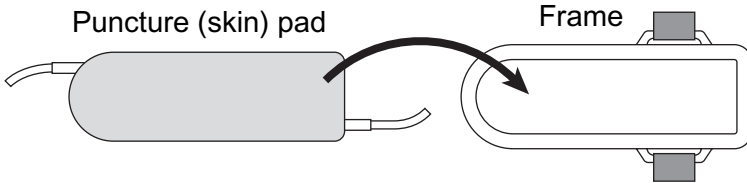


- (2) Put the tip of the drainage tube into the bucket and close the opening on the lid of injection bottle (see the drawing below) by your finger tip. Then, inject water by squeezing the wall of the bottle.
- (3) After seeing the water flow out from the drainage tube, stop pushing the bottle wall and close the clamp.

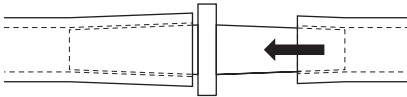


## Replacement of puncture pads

1. Drain all water from the old pad and disconnect both the injector tube and drainage tube. Then, pull out the pad from the frame.
2. Set the new pad into the frame, putting the tube tips from the pad through the openings on the wall of the frame. Then, fit the edge of the pad into the frame.
3. Connect the injector tube and drainage tube firmly to the new pad.



### Connection of the tubes



Insert deeply until the tip of the tube reaches the wall of the connector.

## Replacement/Optional parts

Name	Code	
Coloring powder (red) 100g	11266-070	
Puncture pad---1 piece	11326-010	
Puncture pad ---Set of 5	11326-020	

### Please note...

Be careful not to make stain on cloths when you do training with the simulated blood (red colored water.) The color on cloth may not be removable.

### While training

Put the bottle at the same height with the trainer (arm).

When the water in the bottle runs short, detach the trainer from the trainee's arm and refill the system following the procedures 1-4 on page 2-3.

### After training

After training session, discharge water from the trainer and the tubes following the procedure below.

1. Open the bottle and throw the water.
2. Put the tip of the drainage tube into the bucket.
3. Open the cramp.
4. Discharge water from the trainer and the tubes.

### Cleaning and storage

1. For cleaning, wipe the trainer with soft cloth moistened by water or soap water
2. Store the training set at room temperature, away from heat, high humidity and direct sunlight.

## DOs and DO'NTs

### DOs

Handle with care

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

### Storage

After each session, discharge all water from the trainer and dry.

Put talcum powder on the surface of puncture pads.

Store the training set at room temperature, away from heat, high humidity and direct sunlight.

### DON'Ts

Never wipe the models and pads with thinner or organic solvent.

Don't mark on the phantom and models with pen or leave any printed materials in contact with their surface. Ink marks on the models won't be removable

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