

# Injection and Blood Sampling Practice Model Type I

LM-028

## Instruction Manual

Thank you for purchasing the Injection and Blood Sampling Practice Model Type I.  
Please read this instruction manual carefully to ensure correct use of the product, and  
store it in a safe place for easy access.

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## Handling and Safety Precautions

**These precautions should be strictly observed in order to ensure safe, long-term use of the product.**

### **The following precautions should be observed particularly strictly:**

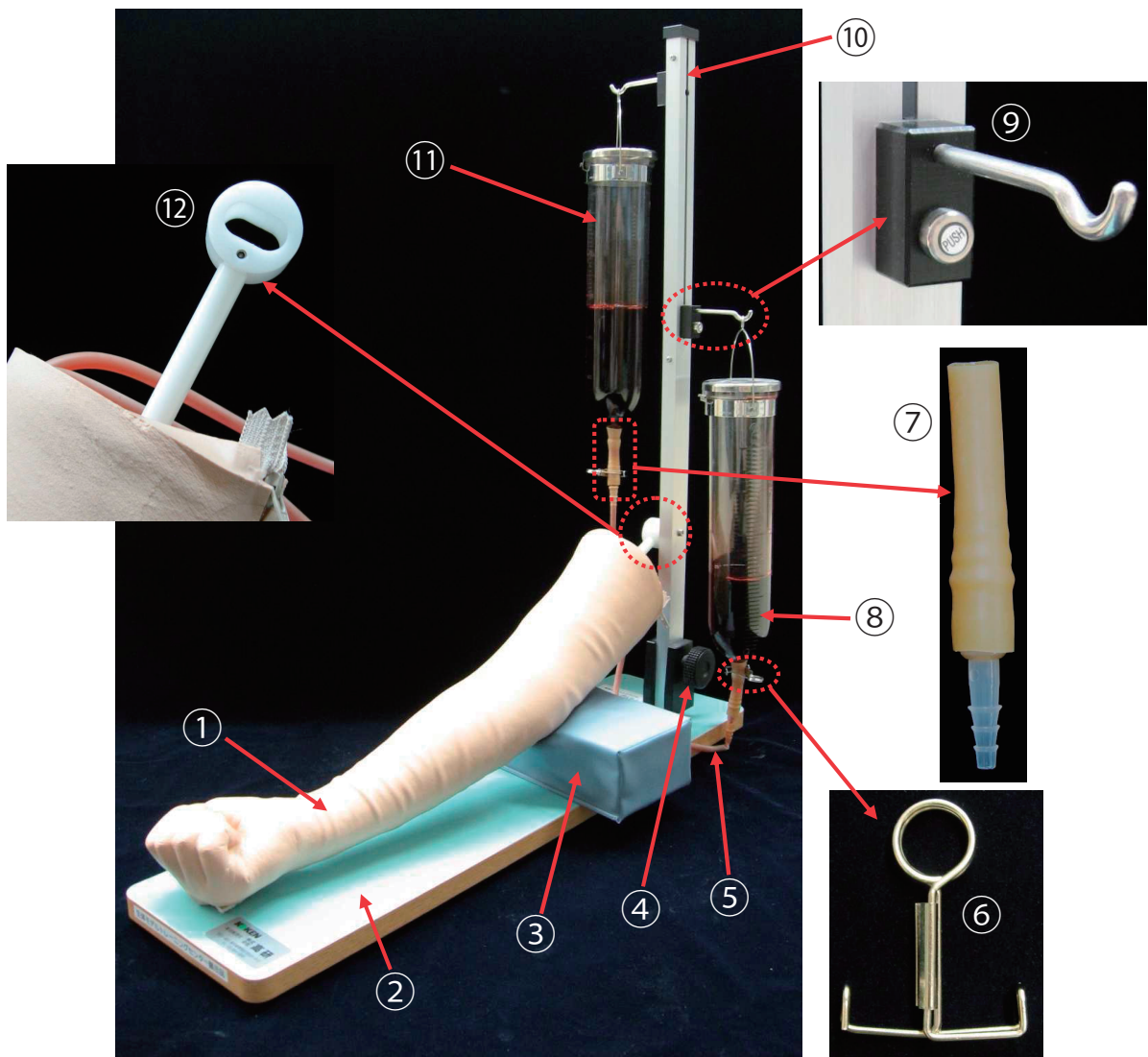
1. This model is made of a special silicone rubber that closely simulates the human body. Please handle the model with the same care that you would exercise when working with a human body.
2. When pricked numerous times in the same place, the blood vessel tube will eventually form a leak and must be replaced.
3. Thicker needles will reduce the life expectancy of the blood vessel tube.
4. The blood vessel tube and tube connectors degrade over time. Check how far they have degraded before use. If they are highly degraded, replace with new parts.
5. When not in use, store the model away from direct sunlight or ultraviolet light.

1. The contents of this instruction manual are subject to change without notice.
2. This instruction manual may not be reproduced in part or in its entirety without permission.
3. Please contact the manufacturer in the event that any errors or omissions are found in the contents of this instruction manual.
4. This product should be used only as described in this instruction manual. In particular, the product should not be used in any way that contravenes the precautions noted in the instruction manual.

## Table of Contents

1. Names and Functions of the Components
2. Correct Use
3. Caring for the Model
4. Model Configuration Chart
5. Specifications
6. Consumable Items
7. Optional Items

# 1. Names and Functions of the Components

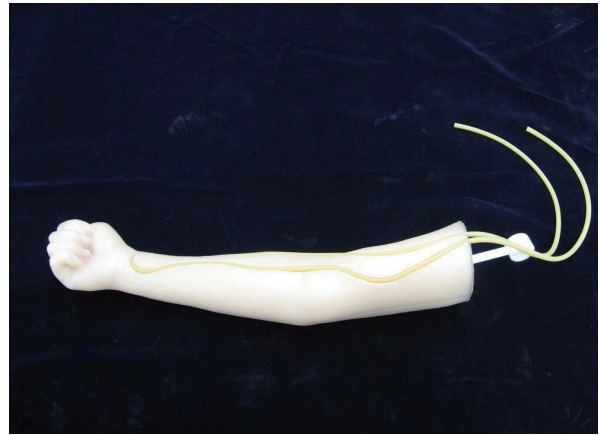
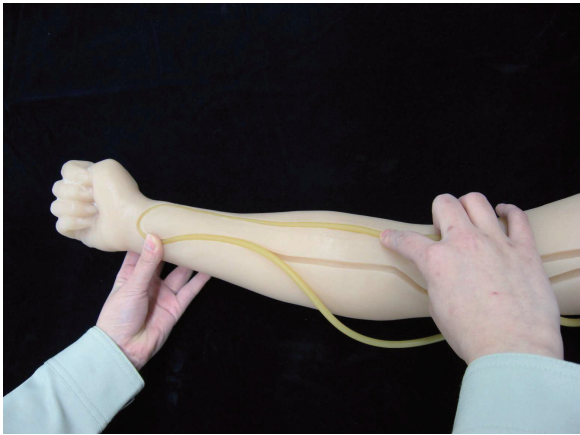


	Names of the Components
①	Arm model (arm musculature and arm skin)
②	Base
③	Elbow rest
④	Knob screw (anchor stand)
⑤	Blood vessel tube
⑥	Pinchcock (stop blood flow)
⑦	Tube connector (with rubber tube part)
⑧	Simulated blood
⑨	Height adjuster hook (press to move the irrigator up and down)
⑩	Stand
⑪	Irrigator (500 ml)
⑫	Arm support rod (anchor arm model)

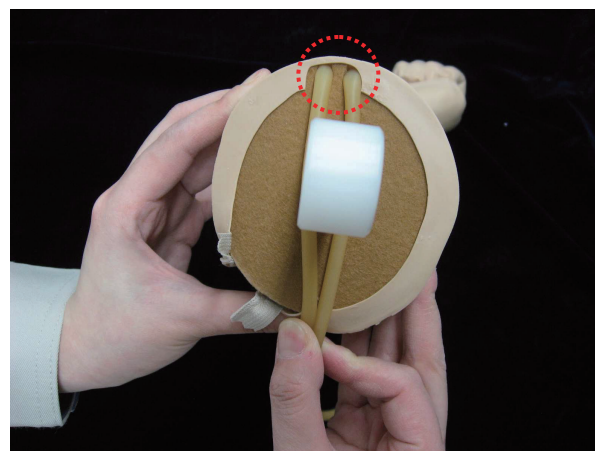
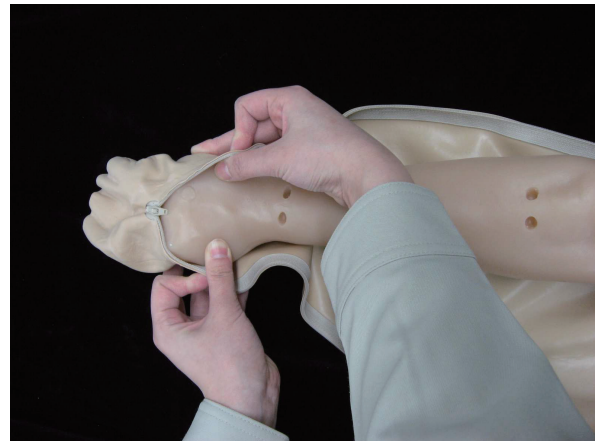
## 2. Correct Use

\*For a complete picture of the setup, refer to photos in Names and Functions of the Components on page 3.

1. Set the blood vessel tube in the blood vessel grooves on the arm musculature.



2. Apply baby powder to the arm musculature and arm skin. Slip the arm skin over the arm musculature and zip it closed.

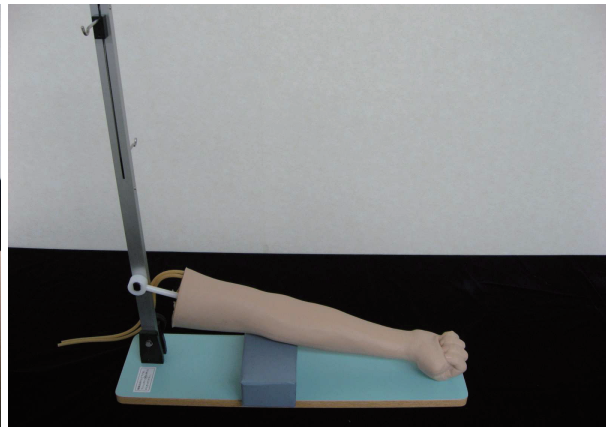
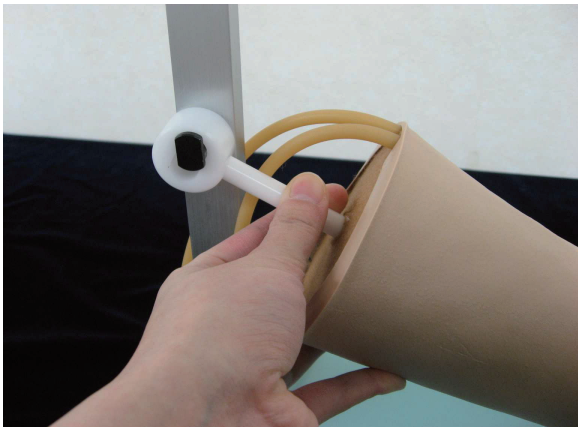


\* Ensure the skin groove matches up with the position of the blood vessels when slipping the arm skin over the arm musculature.

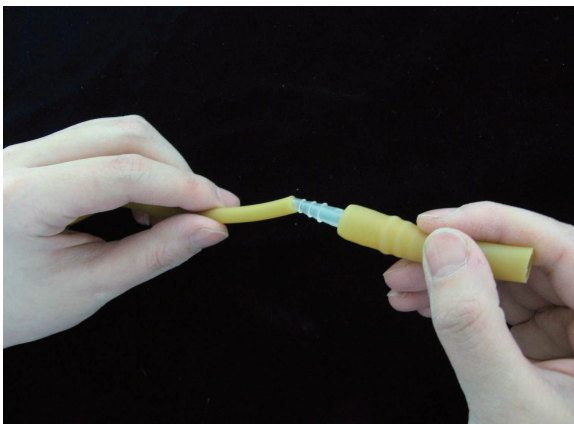
3. Raise the stand and anchor it firmly in place with the knob screw.



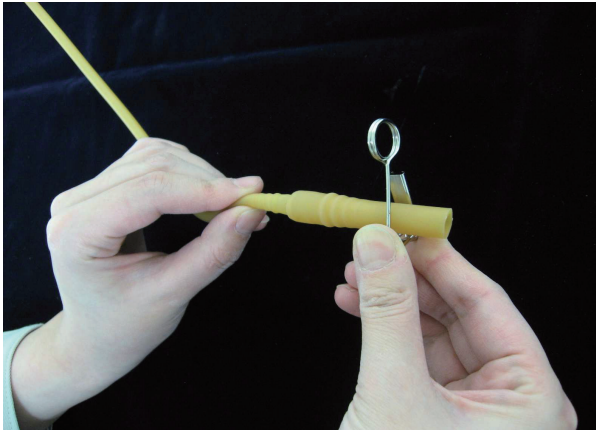
4. Set the arm support rod on the stand hook. Align the elliptical hole with the hook and set the rod in. The arm support rod will not come off when the fist is lowered onto the base.



5. Slide the narrow part of a tube connector deep into each end of the blood vessel tube.



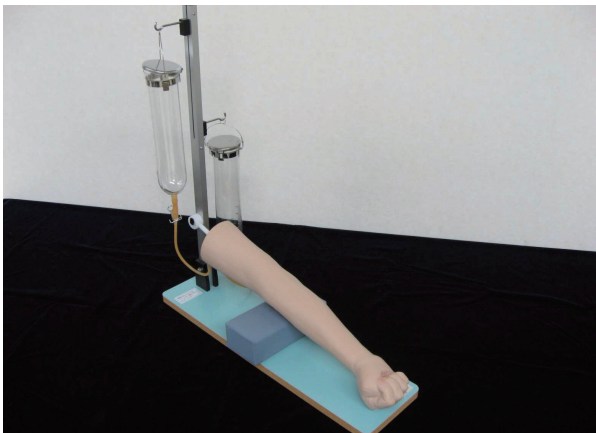
6. Slide a pinchcock onto each end of the blood vessel tube and pinch the tube closed.



7. Slide the rubber tube part of a tube connector deep over the mouth of each of the two irrigator bottles.



8. Set the irrigators on the height adjuster hooks.

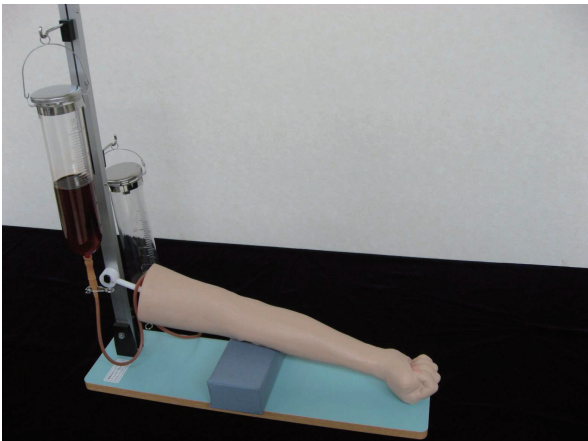




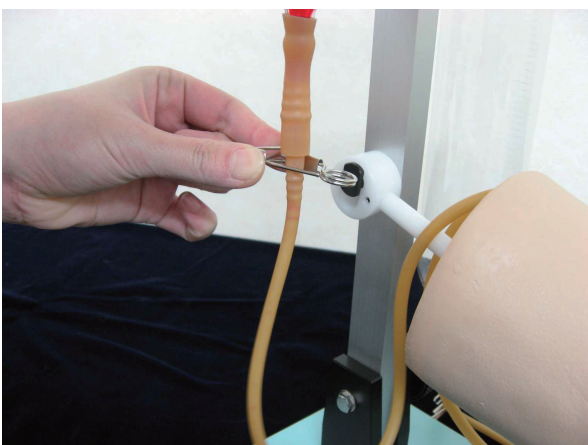
9. Fill one irrigator with simulated blood.



10. Adjust the height by pressing the height adjuster hook button.

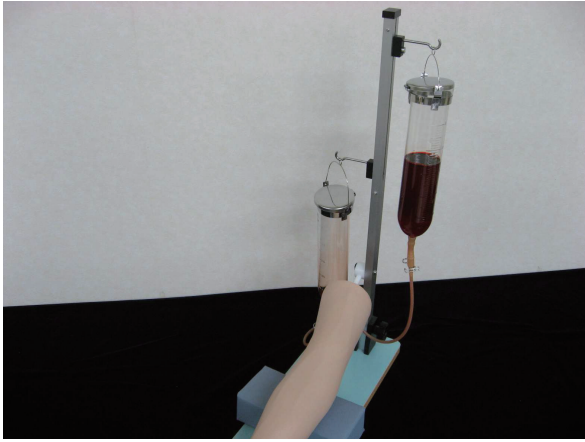
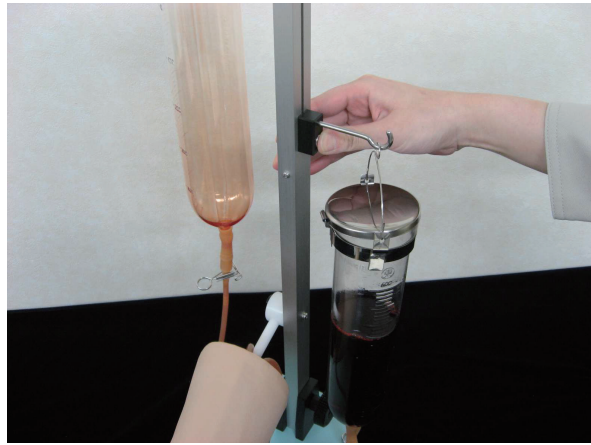
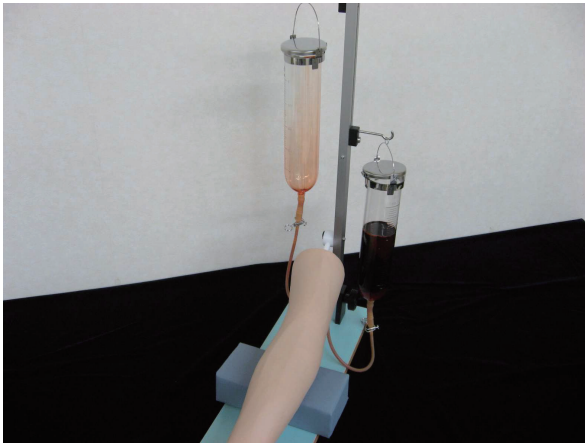


11. Open the pinchcock to allow the simulated blood to circulate.



\*Preparation is now complete. Begin practice.

12. When the upper irrigator becomes empty, reverse the heights of the two irrigators with the height adjuster hook button.



13. When practice is over, use the pinchcock to stop the blood flow.

### 3. Caring for the Model

1. Peel the arm skin off the arm musculature. Be careful, as pulling with excess force can tear the skin.
2. Pull out the blood vessel tubes from the blood vessel grooves.
3. When pulling the needle out of the blood vessel tube after puncturing, a tiny amount of liquid will leak out onto the underside of the skin. This can be cleaned off by washing with cold water, but if it is difficult to remove, wash with hot water or a neutral solvent.
4. Transfer the simulated blood from the irrigator to a plastic container. Also remove the blood left in the blood vessel tube.
5. Wash the irrigator, tube connectors, and blood vessel tube in cold water.
6. After washing, let it dry.
7. After washing the skin and musculature, let them dry, then be sure to apply baby powder. If baby powder has not been applied, the next time the model is used, the skin will stick to the musculature, making set up difficult.

### 4. Model Configuration Chart

Product name	Quantity
Arm skin	1
Arm musculature	1
Blood vessel tube	6
Base and stand	1
Irrigator 500 ml	2
Simulated blood (500 ml)	1
Elbow rest	1
Pinchcock	2
Tube connector	2
Baby powder	1
Transfusion set	1
Storage case	1
Instruction manual	1

## 5. Specifications

Product name	Length	Width	Height	Weight
Arm main unit	Approx. 59 cm	Approx. 9 cm	Approx. 9cm	Approx. 2 kg
Stand	Approx. 60 cm	Approx. 16 cm	Approx. 67 cm	Approx. 1.5 kg
Storage case	Approx. 67 cm	Approx. 30 cm	Approx. 21 cm	Approx. 4 kg

## 6. Consumable items

Product name		Model number
Arm skin	1	LM-028B
Blood vessel tube (10 pcs.)	1	LM-028C
Simulated blood (500 ml)	1	LM-028D
Tube connectors (2 pcs.)	1	LM-028E

## 7. Optional items

Product name	Model number
Accessory set for LM-028 [1 replacement arm skin, 5 blood vessel tubes, 500 ml of simulated blood]	LM-028A
Plastic container for venous sampling and injection (2 pcs.)	