

Intravenous Drip Infusion Practice Model

LM-115

Instruction Manual

Thank you for purchasing Intravenous Drip Infusion Practice Model.
Please read this instruction manual carefully to ensure correct use of the product,
and store it in a safe place for easy access.

KOKEN CO., LTD.

1-4-14 Koraku, Bunkyo-ku, Tokyo 112-0004 JAPAN
URL:<http://www.kokenmpc.co.jp>
E-mail:customer@kokenmpc.co.jp



Handling and Safety Precautions

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

The following precautions should be observed particularly strictly:

1. The hardness of this model is affected by changes in temperature. When using it in cold regions, you can warm it slightly to soften it. Please use it at room temperature.
2. This model is a consumable item. It cannot be repaired when it is cut or peeled.
3. Before inserting the outer cylinder of the intravenous indwelling needle into the model, remove the inner cylinder to leave only the outer cylinder to prevent accidents due to a mis-puncture.
4. Store the model avoiding direct sunlight. Exposure to UV rays may cause discoloration and degradation. During storage, keep the model in a box, etc., to protect it from UV rays.
5. Use the mild urine absorbent pad (hereinafter referred to as the "absorbent pad") in combination with this model. A sanitary napkin cannot be used.
6. The allowed instillation volume of this model is less than the labeled absorbable volume of the absorbent pad housed in the model.
7. Replace the absorbent pad with a new one when you observe water droplets on the gore portion of the model, or when the absorbent pad is swollen to the extent that the housing part is tightly stretched. If you continue to use the model without replacing the pad, it may interfere with the practice due to an increase in fluid leakage, etc.
8. The absorbent pad with a labeled absorption volume of up to 200 mL can be housed. The greater the absorption volume, the more the model swells.
9. For a practice requiring movements, it is recommended to limit the swelling of the model by using an absorbent pad with a small labeled absorption volume (see "3-1 Housing the Absorbent Pad" on page 6).
10. Do not leave the model with the absorbent pad inserted in it. After washing, thoroughly remove any water from the model and leave it to dry naturally. Leaving the model with water remaining in it may cause mold to develop.

11. The lifespan of the model largely depends on the status of use and storage.
Check the product's performance around two years after purchase. If the weld portion has peeled-off or become hardened, please replace the model with a new one.
12. If the catheter coating/protective material or the adhesive of the medical tape has become adhered to the model, wipe it off using a cloth soaked with commercially available limonene-based sealer remover or alcohol.
* Do not use sealer removers containing benzene or other organic solvents.
13. Do not place objects on top of the model, because they may leave marks on it.
14. Do not leave the model in contact with printed matter. The letters, etc., may be transferred onto the model so that they cannot be removed.

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. Outline and Features
2. Configuration and Names
3. Handling the Model
 - 3-1. Housing the Absorbent Pad
 - 3-2. Connecting the Intravenous Infusion Route
 - 3-3. Attaching the Model
4. Cleaning and Storing the Model
5. Specifications

1. Outline and Features

Outline

This is a dedicated model to teach the techniques for management of medication and assistance, assuming a patient under intravenous infusion.

Features

- The intravenous infusion route can be connected to the model mounted onto a simulated patient, etc.*1 The model can be fixed to the intravenous infusion route using medical adhesive tape.
- It is possible to practice adjustment of the dripping speed.
- Changes in the dripping speed can be checked according to the body position and the condition of the intravenous infusion route.
- With this dedicated model, fluid leakage can be reduced during practice*2.
- The intravenous infusion (simulated medication) can be administered at up to about 200 mL*3.
- Due to the absence of a drainage tube, the model can be used for education on changing night clothes and the body position, transfer assistance, etc., for a patient undergoing intravenous infusion.

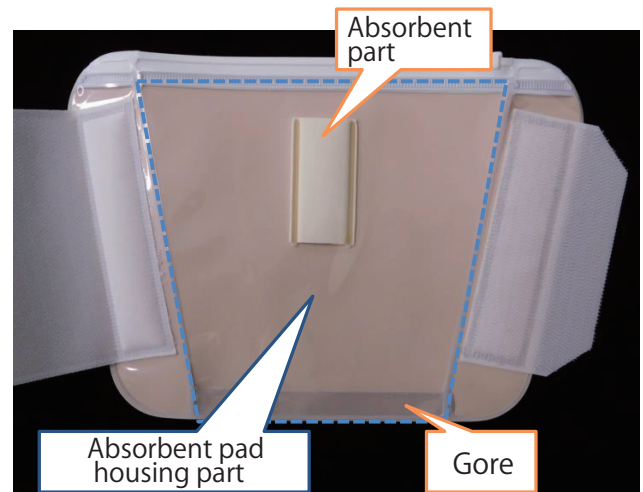
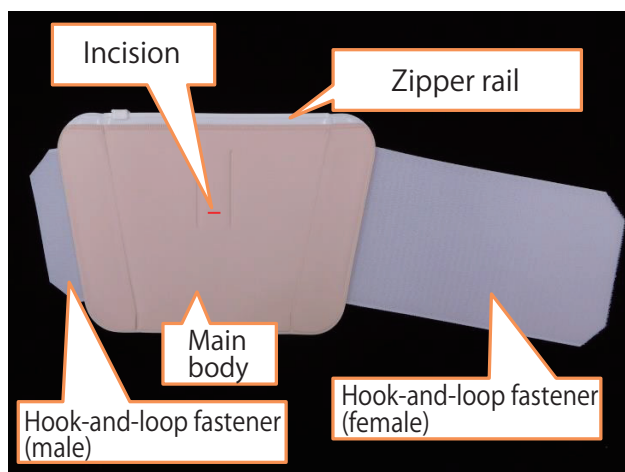
*1. To connect the intravenous infusion route to the model, please use the outer cylinder of the intravenous indwelling needle in your inventory.

*2. Some fluid leakage may occur. For structural reasons, it is not possible to completely prevent fluid leakage.

*3. Please prepare the absorbent pad separately. The allowed instillation volume depends on the volume and the status of use of the absorbent pad.

2. Configuration and Names

1. Intravenous Drip Infusion Practice Model (5 parts)
2. Instruction Manual (this document)



3. Handling the Model

3-1. Housing the Absorbent Pad

1. Fold a commercially available absorbent pad, adapting it to the size of the model.



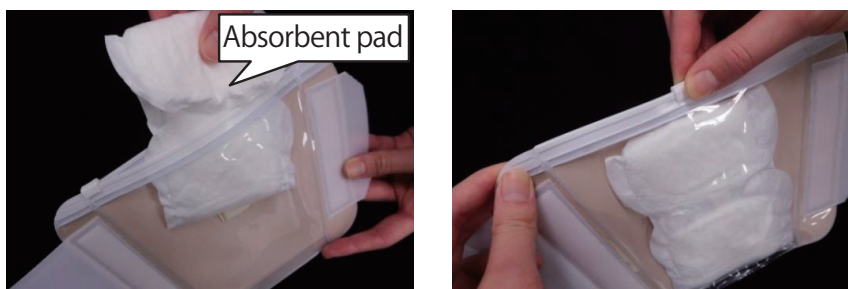
An absorbent pad with an absorption volume of up to 200 mL can be housed in the model. It is recommended to choose the absorbent pad to house in the model according to the contents of the practice.

- For practices not requiring body movements (e.g., adjustment of dripping speed)
→ Absorbent pad with a large absorption volume
- For practices requiring body movements (e.g., assistance for transport/transfer, changing night clothes, etc.)
→ Absorbent pad with a small absorption volume or a slim-type

[Absorption volume and images of mounted model]

	Absorption volume 100 mL When the absorbent pad is housed	Absorption volume 200 mL When the absorbent pad is housed
Before absorption		
After absorption		

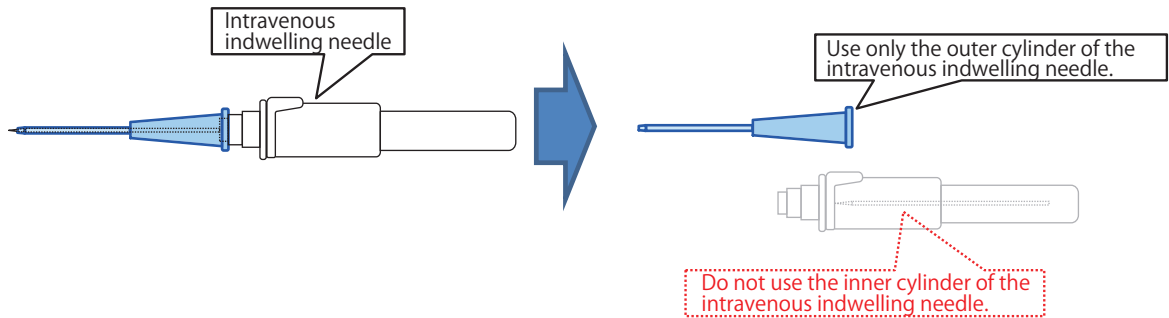
2. Open the model's zipper, insert the folded absorbent pad into it, and close the zipper.



3-2. Connecting the Intravenous Infusion Route

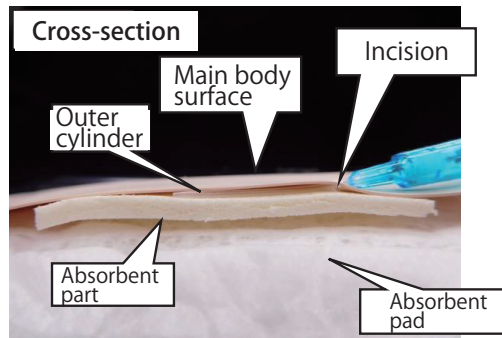
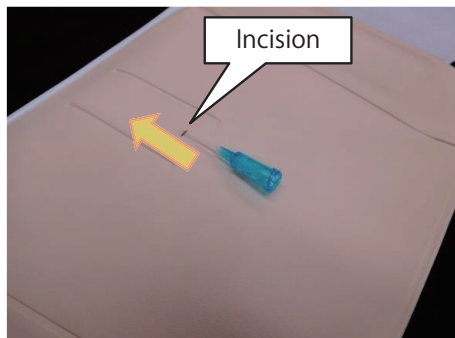
1. Remove the inner cylinder of the intravenous indwelling needle. Only the outer cylinder is used.

* Never perform this step with the inner cylinder attached to the needle. It may cause an accident due to a mis-puncture and damage the model.

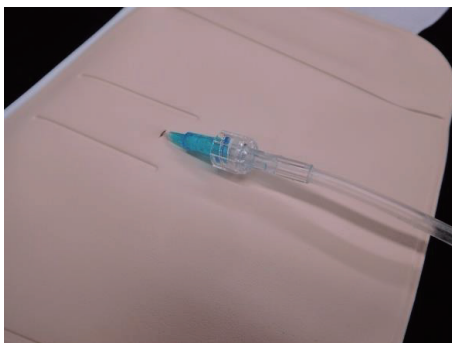


2. Insert the outer cylinder of the intravenous indwelling needle from the incision of the model and slip the outer cylinder into the gap between the model's main body surface and the absorbent part.

Please pay attention to the incision, which is difficult to see.



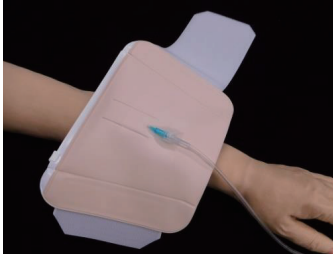
3. Connect the intravenous infusion route and fix it in place using medical adhesive tape and catheter coating/protective materials.



3-3. Attaching the Model

* To tightly mount the model, ask another person to help to mount it, instead of mounting it by yourself.

1. Determine the position of the main body relative to the object onto which to mount it (arm).



2. Wrap the hook-and-loop fastener (female) around the object (arm).

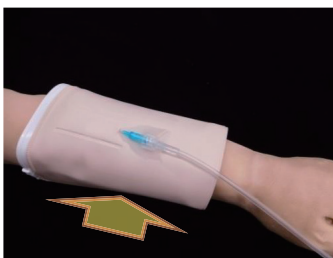


3. Place the main body over it.



4. Press the hook-and-loop fastener (male) to engage both hook-and-loop fasteners with each other and fix them in place.

* If the object is too thin to fix the hook-and-loop fasteners, wrap it after putting a towel, etc., under the model.



The attachment is now complete.

* As the volume absorbed in the pad increases during practice, greater compression will be applied to the body. Wrap it again as appropriate.

4. Cleaning and Storing the Model

1. Extract the absorbent pad from the model.
2. Peel-off the medical adhesive tape and catheter coating/protective materials as necessary and withdraw the outer cylinder of the intravenous indwelling needle.

The adhesive remaining on the model can be removed using alcohol or commercially available limonene-based sealer remover.

*** Do not use sealer removers containing benzene or other similar organic solvents.**

3. Wash the model's surface and the absorbent pad housing part using a neutral solvent diluted with water or water (warm water is acceptable).

*** Do not use thinners, benzene or other similar solvents.**

4. Thoroughly remove the remaining water and let the model dry with the zipper left open.



5. After drying, store it in a place where it will not be exposed to direct sunlight.

5. Specifications

Product name	Length	Width	Height	Weight
Main body	Approx. 16cm	Approx. 40cm	Approx. 0.3cm	Approx. 40g