

⚠ Attention | Do not let ink from pens, newspaper, product manual or other sources contact the manikin. Ink marks on the manikin will be irremovable.

M67C

# Strap-on Intramuscular Injection Trainer

## Instruction manual

### Contents



#### Introduction

Manufacturer's note/DOS and DONTs ..... P.1

#### Before use

Before use ..... P.2

#### Preparation

Setting ..... P.3-P.4

#### Training

Caution ..... P.5

#### After training

Attachment and detachment of parts ..... P.6-P.7

Storage and maintenance ..... P.8

## Before use

Thank you for buying our M67 Strap-on Intramuscular Injection Trainer. This model is for training of medical doctors/nurses. Do not use this model outside of its purposes. Manufacturer shall not be responsible for the unexpected damage or accident as a result of usages outside of ways written in this manual.

### Features

- Can be attached to Simulated patients or upper arm of full-body simulator.
- The skin and acromion is similar to the feeling of a real human and it allows palpating the anatomical landmark.
- Liquids can be injected (use water or simulated medicine)
- Injected liquid can hardly be remained in the muscle part.
- Each part can be separated and can be easily maintained.

### ⚠ 注意

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>● Handle the manikin and the components with care.</li> <li>● Be sure not to drop or add shock to the manikin and its components. The product uses special resins and materials and such shock may cause irreparable damage to the product.</li> </ul> | <ul style="list-style-type: none"> <li>● The color on its surface may change over time, however, this should not affect the quality of its performance.</li> </ul>      |
| <ul style="list-style-type: none"> <li>● Do not let ink from pens, newspapers, this manual or other sources come into contact with the manikin, as they cannot be cleaned off the manikin skin.</li> </ul>  | <ul style="list-style-type: none"> <li>● Storage in a dark, cool and dry space will help prevent the skin colors from fading and the product from deforming.</li> </ul> |
| <ul style="list-style-type: none"> <li>● Do not strongly enlarge, push and bend injection parts, as it may cause damages.</li> </ul>  | <ul style="list-style-type: none"> <li>● Handle the tube with care to avoid damage and leakage.</li> </ul>  |
| <ul style="list-style-type: none"> <li>● The manikin skin may be cleaned with a wet cloth using mildly soapy water or diluted detergent if necessary. In case the manikin is not clean enough, alcohol can be used. Do NOT use organic solvent such as thinner.</li> </ul>                    | <ul style="list-style-type: none"> <li>● After use, apply talcum powder to the surface, and store in the box which comes with the model.</li> </ul>                     |

# Before use

## Set includes

Before you start, please ensure that you have all components listed below.



### Set includes

Main model.....	1
( Frame .....	1
Skin .....	1
Soft tissue.....	1
Muscle.....	1
Acromion.....	1
Drainage reservoir.....	1
Belts .....	2
)	
Instruction manual.....	1

### Specification

- Material : Soft resin, hard resin
- Size : W10.5 \* D26 \* H5.5cm

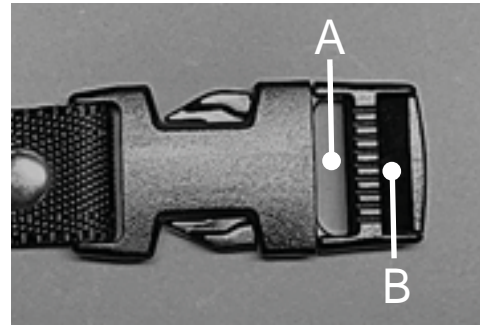
# Preparation

## Preparation

①



Let the slit of fastner A and B pass through the black belt. Take care the direction of the fastner is right.



②



Let the black belt pass through slit A from bottom of the fastner.

③



Let the belt from slit A pass through the top of slit B.

# Preparation

## Preparation

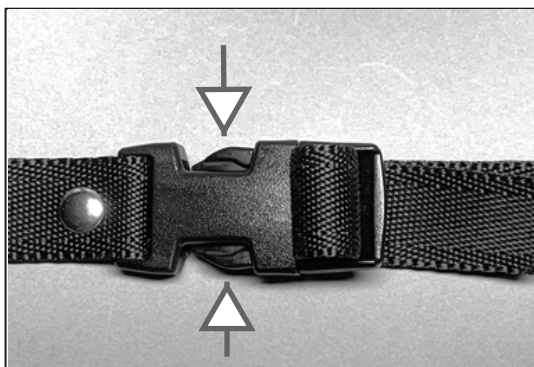
④



### Attachment

Mounting the Body of the Simulation Kit:  
Wind the locating belt (BLUE) found below the body of the Simulation Kit around an arm of a person or a dummy and secure in position with the magic tape.

⑤

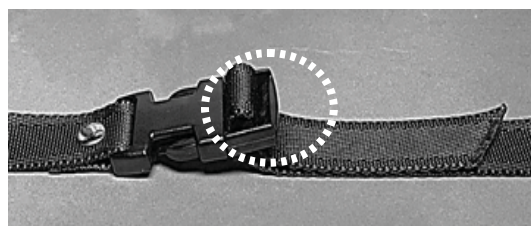


The fastener can be detached by holding and pulling the side

⑥



Then coil the locating belt (BLACK) found above the body of the Simulation Kit around the neck of the person or the dummy and buckle it up in position.



⑦



Then the preparation is done.

## Training

Palpation • by checking the acromion, injection site can be found out.

- Deltoid muscle can be palpated

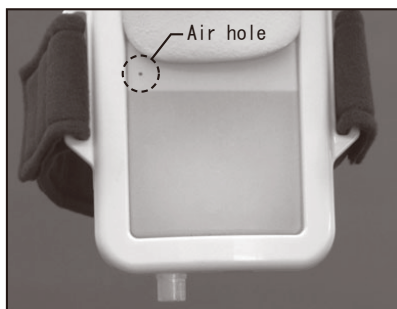
Injection • Liquids can be injected. ※ Liquids can be injected (use water or simulated medicine)

- Injected water remains in the water tank.

## Cautions



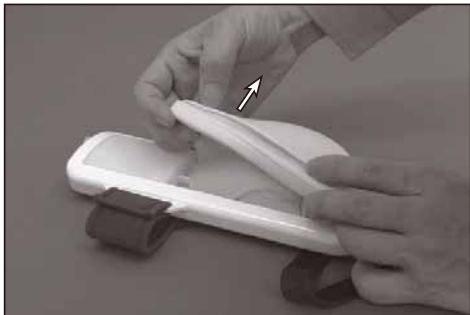
Remove the drain pipe cover found at the bottom of the body of the Simulation Kit; press the drainage sink and drain the water in the body into the container.



The amount of water in the drainage tank can be checked from outside.

## Attachment and detachment of parts

①



Pull out and remove the skin part from the supporting frame. While pulling out the skin part from the lower right, be careful not to damage the soft tissue part (gel form) in the skin part.

②




Remove the soft tissue part (gel form). Be extremely careful not to damage the soft tissue part since it is very delicate.

③



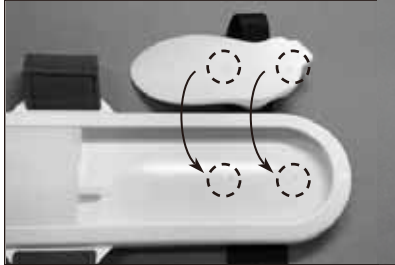
Remove the drainpipe of the muscular part (containing a built-in sensor) from the drainage sink.

 Hold and then pull out the drain pipe of the muscular part. Hold the body of the muscular part may damage the muscular part.



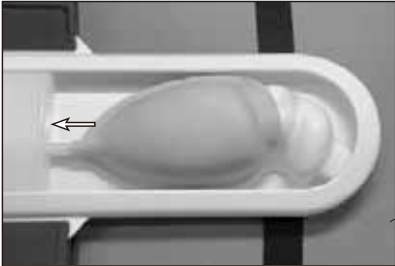
## Attachment and detachment of parts

④



Align the hole provided on the inner side of the protruding part of the acromion at the needle of the supporting frame and insert the needle into the hole.

⑤



Place the muscular part (with a built-in sensor) on the protruding part of the acromion and firmly insert the drainpipe into the drainage sink down to its root.



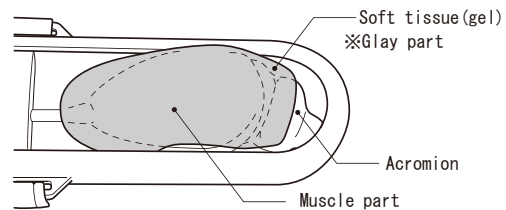
Fully inserted down to the root

Insertion not reaching the root

⑥



Cover the soft tissue part (gel form) with the shape of its inner side.



⑦



While taking care not to deflect the position of the soft tissue part (gel form), place the soft tissue part on the skin part without clamping any wiring or any other matter, and then carefully press the skin part into the supporting frame with the side of the drainage sink facing the front end.

⑧



(If the operation prevents easy placement of the skin part, apply baby powder on the soft tissue part and the skin part.)



# After training

## After training

①



Use the syringe to inject air into the muscular part to expel the water inside the muscle.

②



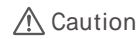
Remove the drainpipe cover found at the bottom of the body of the Simulation Kit; press the drainage sink and drain the water in the body into the container. During operation, water may leak from the injection hole provided on the muscular part or may get accumulated inside the supporting frame. Remove the skin part and dry the supporting frame with a clean fabric.

## Storage and maintenance

- ① In case of any stains present on the skin part of the body of the Simulation Kit, use fabric dipped with water, neutral detergent, or alcohol to gently wipe it clean.
- ② Never store the Simulation Kit at where exposes to direct sunshine or high temperature and/or high humidity to avoid deterioration or deformation.







Caution

Do not let ink from pens, newspaper, product manual or other sources contact the manikin. Ink marks on the manikin will be irremovable.

## Replacement parts

Item	Qty	Item code	Reference
Muscle	1	11297-240	Soft tissue muscle
Skin	1	11297-220	Soft tissue skin
Soft tissue (gel)	1	11297-230	Soft tissue (gel)



2022.03

### ■ Main Office and Factory (World Wide)

 **KYOTO KAGAKU co.,LTD**

WEB • [www.kyotogagaku.com](http://www.kyotogagaku.com)

E-MAIL • [rw-kyoto@kyotokagaku.co.jp](mailto:rw-kyoto@kyotokagaku.co.jp)

15 kitanechoya-cho Fushimi-ku Kyoto 612-8388, Japan

TEL: +81-75-605-2510

FAX: +81-75-605-2519

### ■ North and South American regions:

 **KKAmerica**  
Kyoto Kagaku America Inc.

WEB • [www.kkamerica-inc.com](http://www.kkamerica-inc.com)

E-MAIL • [info@kkamerica-inc.com](mailto:info@kkamerica-inc.com)

3109 Lomita Boulevard, Torrance, CA 90505-5108, USA

TEL: +1-310-325-8860

(Toll-free in North America: 877-648-8195)

FAX: +1-310-325-8867

The contents of the instruction manual are subject to change without prior notice.

No part of this instruction manual may be reproduced or transmitted in any form without permission from the manufacturer.

Please contact manufacturer for extra copies of this manual which may contain important updates and revisions.

Please contact manufacturer with any discrepancies in this manual or product feedback. Your cooperation is greatly appreciated.