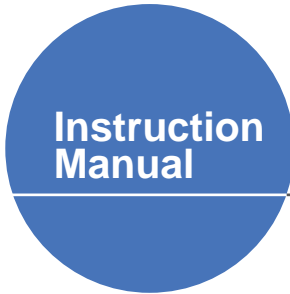


MW32

NCPR Simulator



Contents

- **Introduction**
 - Manufacturer's Note P.1
 - DOs and DON'Ts P.1
- **Before you start**
 - Set includes/Configuration P.2
 - Preparation P.3-P.5
 - Right Arm Installation Simulated Blood making
 - Umbilical blood preparation
 - Injection of the Simulated Blood
 - Injection of the Stomach Fluid (Water)
- **Training** P.6-P.8
 - Training Positioning keeping/ Assessment of Anterior Fontanel
 - Umbilical Catheterization NG/OG Tube Feeling
 - Airway Suction
 - Airway Management
 - CPR
- **After training** P.9
 - Drainage of umbilical blood and stomach fluid/
replacing skin mask



Manufacturer's Note

• Features

Provides training in regards to the routine procedure for umbilical catheterization for both the operator and assistant.

Omphalotomy/ Catheter insertion/ Ligation with clip or string/ Placement

The simulator is designed for training in neonatal care. Do not use for improper purpose. Please read the instruction carefully before use.

Do not use the system in a way other than here in after prescribed by manufacturer.

• Training Skills

- Training Positioning Keeping/ Assessment of Anterior Fontanel
- Umbilical Catheterization
- NG/OG Tube Feeding
- Airway Suction
- CPR
- Airway Management

DOs and DON'Ts

DOs

Handle the manikin and the components with utmost care at all times.

Storage in a dark, cool space will help prevent the skin colours from fading.

The manikin skin may be cleaned with a wet cloth, if necessary, using mildly soapy water or diluted detergent.

DON'Ts

Do not mark on the model and other components with pen or leave any printed materials contacted on surface. Ink marks on the model cannot be removed.

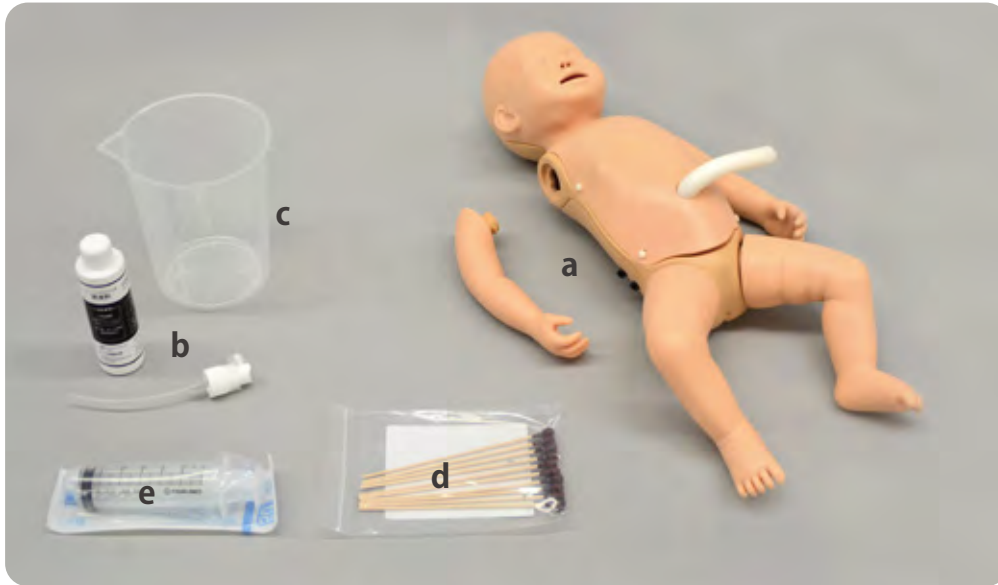
Never use organic solvent like paint thinner to clean the skin, as this will damage the simulator.

Do not leave the tapes or dressing materials onto the manikin as the adhesive left on the surface will become sticky.

* Even if color on its surface might be changed across the ages, this does not affect the quality of its performance.

Set Includes

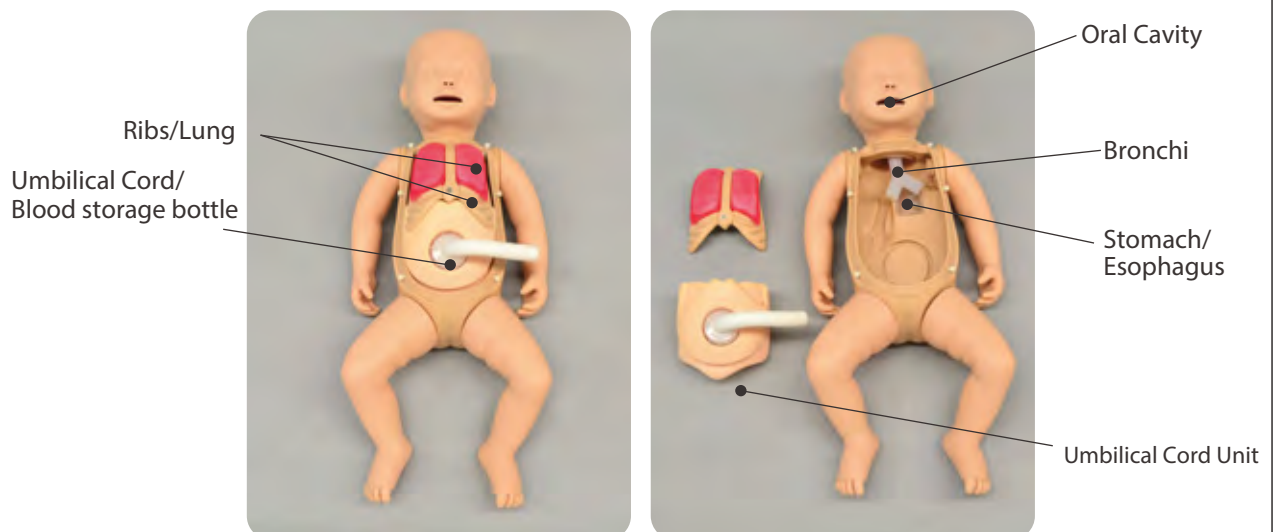
Before your first use, ensure that you have all components listed below.



- a Neonatal model
- b Lubricant
- c Plastic jar

- d Simulated blood (swab type)
- e Syringe
- Instruction manual

Configuration



1 Right Arm Installation

1. Screw the right arm to the shoulder.



2. Remove the body skin. (The skin is fixed by six braces)



3. Remove the lung and rib and remove the umbilical part.



2 Simulated Blood making

1. Pour 1000mL of water into the plastic beaker. Put the simulated blood (swab type) into the beaker and stir the water sufficiently to prepare the simulated blood.



.....
Take care not to drop simulated blood on clothes as simulated blood stains can be very difficult to remove.



2. Draw the simulated blood to the syringe attached.

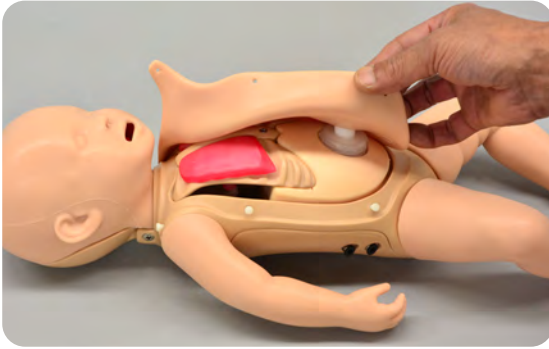
3 Umbilical blood preparation

1. Put out the umbilical blood bottle from umbilical part. Open it to fill with the umbilical blood. Install the umbilical bottle into the umbilical part.



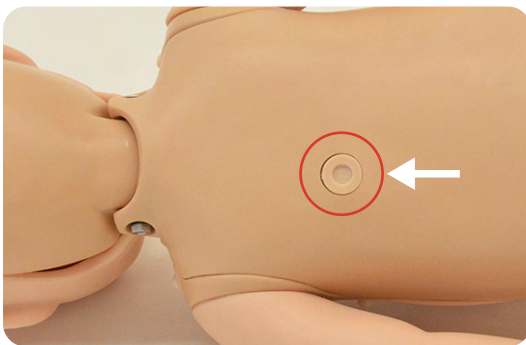
3 Umbilical blood preparation

- Put the umbilical part in the body, and the lung and rib on it. Cover the model with the body skin. Put the umbilical cord through the body skin hole first, and put the body skin on the body to fix by six braces.



4 Injection of the Stomach Fluid (Water)

- Connect the syringe to the connector at the back of the body to inject the stomach fluid. The volume is approximately 5ml. Remove the syringe when finished.



1 Training Positioning keeping/ Assessment of Anterior Fontanel

Training for the position keeping and changing



Palpating to assess the anterior fontanel



2 Umbilical Catheterization



Provides training for routine procedure of umbilical catheterization for both operator and assistant.

- Omphalotomy
- Ligation with clip or string
- Catheter insertion
- Placement

Recommended Catheter Size; 16G 30cm



3 NG/OG Tube Feeding



Training for the catheter insertion through the nasogastric and orogastric tubes

- The catheter placement by dressing
- Air sounds can be heard with a stethoscope.

Recommended catheter size; 5Fr.



*Spray the attached lubricant to the catheter, nasal and oral cavity of model before practice.

4 Airway Suction



Training for the nasogastric and orogastric suction

Recommended catheter size; 5Fr.

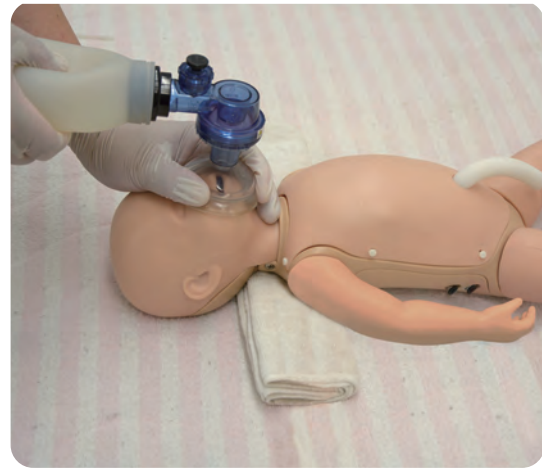
*Use the lubricant to spray the catheter, nasal and oral cavity of model before practicing.

5 CPR



Training for chest compression

6 Airway Management

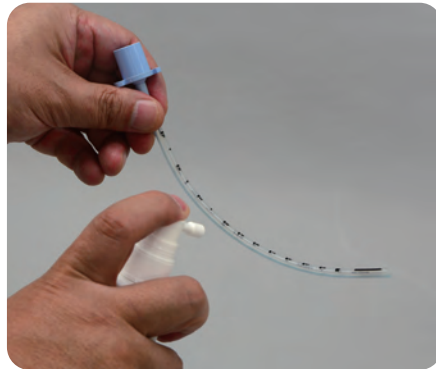


Training for the procedure of intubation with laryngoscope

- Bag-Valve-Mask ventilation
- Training for the assessment of intubation to the esophagus or one-lung or two-lung intubation

Preparing for Intubation

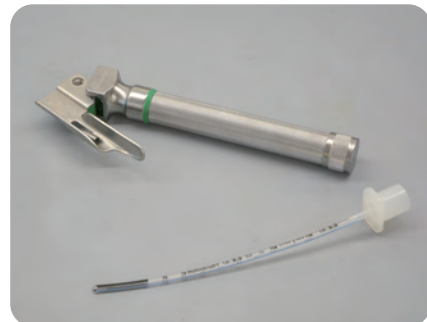
Spray the lubricant into the oral cavity and device before intubation practice.



Recommended device size

Tube : 2.0~3.0 mm

Blade : 0



1 Drainage of Umbilical blood and Stomach fluid

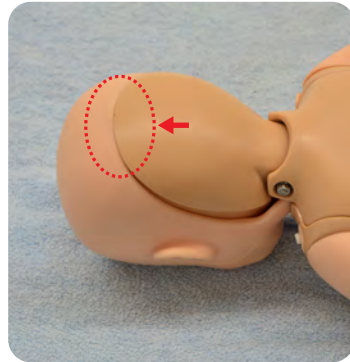
1. Remove the umbilical part and put out the umbilical bottle to drain the simulated blood. After that clean up the bottle and dry it up.



2. Connect the empty syringe to the connector at the back to draw the stomach fluid.



2 Replacing skin mask



1. Remove the skin mask from posterior part by lifting it.
2. Put the edge of mask on the gap of posterior head to cover the head when installing the face mask.
3. Refer to Preparation page regarding body skin replacement.

Caution

Do not mark on the model and other components with pen or leave any printed materials contacted on surface. Ink marks on the model cannot be removed.

For inquiries and service, please contact your distributor or KYOTO KAGAKU CO., LTD.

Consumable parts

code	name
11400-010	1 mask
11400-020	1 chest skin
11400-080	1 abdomen
11400-030	4 umbilical cord

code	name
11229-050	1 lubricant
11388-400	Simulated blood (Swab type:a set of 10)



mask



chest skin



abdomen



umbilical cord



lubricant



Simulated blood

■ Main Office and Factory (World Wide)

 **KYOTO KAGAKU co.,LTD**

WEB • www.kyotogagaku.com

E-MAIL • rw-kyoto@kyotokagaku.co.jp

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

TEL: +81-75-605-2510

FAX: +81-75-605-2519

2019.08

■ North and South American regions:

 **KKAmerica**
Kyoto Kagaku America Inc.

WEB • www.kkamerica-inc.com

E-MAIL • 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