

**⚠ Caution** | Do not mark on the model and other components with pen nor leave printed materials contacted on surface. Ink marks on the models cannot be removed.

MW33

# ELBW Infant Simulator

## Instruction Manual

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"ELBW Infant Model" is designed to be used for basic care and resuscitation training for extremely low birth weight infants.

## ■ Features

- ELBW Infant Model simulates an extremely low birth weight infant of a body weight of approximately 900 g between 26 and 28 weeks of age.
- BVM ventilation, chest compression, and tracheal intubation (unilateral/bilateral - lung ventilation, esophageal intubation confirmation) can be performed.
- The manikin comes with a bronchi, esophagus, and stomach and can be used to practice basic care skills such as tube feeding, suctioning, and urinary catheterization, among others.
- The neck is movable, replicating head control.

## ■ Training Skills

- Postural changes/maintenance in incubator and bed baths
- Anterior fontanel palpation
- Complete physical assessments and measurements
- Insertion procedures for tube feeding
- Insertion procedures for suction tubes (oral, nasal)
- Insertion procedures for urinary catheters
- Ventilation with bag valve mask
- Chest compression
- Tracheal intubation
- Nasal positive-pressure respiratory tract ventilation (Nasal CPAP)

## ■ Read before use

Do not use this simulator for the other purpose. The manufacturer cannot be held responsible for any accident or damage resulting from any other use, or any use not in accordance with the enclosed instructions.

## Set Includes

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



- a. ELBW Infant Simulator 1
- b. Lubricant 1
- Instruction manual

### ⚠ DOs and DON'Ts

● **Handle the manikin and the components with care.**

Be sure not to drop or add shock to the manikin and its components, since the product uses special resins and heavy, such shock may cause damage to the products or environment.

● **Do not let ink from pens, newspapers, this manual or other sources contact with the manikin, as they cannot be cleaned off the manikin skin.**

● **Storage in a dark, cool and dry space will help prevent the skin colors from fading and product from deforming.**

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

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

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

### 1 Posture change and maintenance, bed baths, complete physical assessments and measurements

Can be used for training related to posture changes/maintenance, bed baths, and complete physical assessments and measurements.



### 2 Tube feeding, suctioning, urinary catheterization

- Can be used to practice tube feeding and for training for procedures like tube placement and fixing.
- Can be used for training in airway suction procedures involving placing tubes through the mouth and nose.
- Can be used for model can be used for training in urinary catheterization procedures involving catheter placement.

※Spray lubricant 3-4 times in the tube and catheter prior to training.

※In tube feeding, the manikin is only used for catheter placement and cannot be used to confirm the arrival in the stomach using a stethoscope.

※In urinary catheterization, the manikin is only used for catheter placement and cannot be used for bladder emptying.



.....  
Use 3 Fr for the tube feeding tube, 3 Fr for the suctioning catheter, and 6Fr for the urinary drainage catheter.

For tube feeding, do not apply real nutrients, etc.

For suctioning, do not put an artificial sputum, etc. into the mouth or nose.

### 5 Tracheal intubation, Bag valve mask ventilation

Can be used for training related to tracheal intubation and bag valve mask ventilation procedures. The movement of thoracoabdominal section shows if the ventilation is one-lung and two-lung intubation, or esophageal intubation.



.....  
Use a 2.0 to 2.5 mm ID tracheal tube, blade size #00 for the laryngoscope, and a newborn size (small) bag valve mask.

Intubation preparation: Spray the lubricant 3-4 times in the esophageal and tracheal tube attachments prior to training.



### 6 Chest compressions

Can be used for training of chest compressions.



### 1 After training

After training, wipe away any lubricant that was applied to the model surface and tracheal tube prior to storage.

If a large amount of lubricant is accidentally applied to the mouth or other crevices, use a swab or something similar to wipe it off.



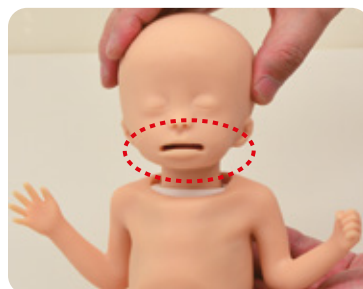
.....  
If a large amount of lubricant is used and it is left as is, the lubricant can dry and solidify inside.

### 2 Mask replacement

1. When removing the mask, lift the mask at the back of the head and then remove the mask in the anterior direction. Remove the neck part last.



2. For mask placement, first place the mask on the chin and then pull it towards the back of the head. At the back of the head, match the mask to the level difference of the head. Finally, put the neck part inside the trunk.







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Replacement  
Parts

Code	Name
11413-010	Mask for MW33
11229-050	Lubricant



Mask for MW33



Lubricant

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

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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.

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