

INSTRUCTION MANUAL

Neo Nate
Neonatal Resuscitation Trainer
101-340



Nasco
HEALTHCARE

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About the Simulator

The purpose of this instruction manual is to familiarize the user with the function, care, and maintenance of the Neo Nate Neonatal Resuscitation Trainer.

It is not meant to provide instructions in CPR or other emergency life procedures. Neo Nate is latex free and designed for ease of use and care while teaching basic life support skills.

Please familiarize yourself with this manual before using the trainer. Product may vary slightly from photos. Nasco Healthcare reserves the right to change product color, materials, or function as needed.

Printed paper, plastic, or ink can cause indelible marks on the trainer and its components.

This product has a three-year warranty.



About the Simulator

Neo Nate allows for simulation of standard and emergency care immediately after birth.

FEATURES

- Post-birth care
- Resuscitation with visible chest rise during ventilation with proper head tilt and chin lift
- Realistic chest compressions with audible click
- Umbilical cord clamping, simulated cutting, and care
- Simulation, assessment and monitoring of signs of life: birth cries, heartbeat, umbilical pulse, and chest rise/fall
- Clearing of the airway
- Three-year warranty

Neo Nate comes assembled with the chest overlay and part of the umbilicus attached.

WEIGHT & DIMENSIONS

- Weight: 2.4 lbs. (1.09 kg.)
- Height: 20.5 in. (52.07 cm)
- Width: 8 in. (20.3 cm)
- Head circumference: 14.25 in. (36.2 cm)
- Umbilical cord length: 12 in. (30.5 cm)
- Umbilical stump length: 3 in. (7.6 cm)
- Sheets (2): 27 in. X 27 in. (68.6 cm x 68.6 cm)
- Light skin tone

List of Components

- Neo Nate
- Hand pump system
- Squeeze bulb to simulate birth cries
- Stethoscope
- Umbilical cord
- Sheets (2)
- Head cap
- Carry bag
- Umbilical clamps (2)



Umbilical Cord

The umbilical stump is attached to the chest overlay. Connect the umbilical cord to the umbilical stump by inserting the quick connector end of the cord into the stump end (Fig. A).



Fig A.

Practice umbilical clamping using the included umbilical cord clamps in the locations shown below (Fig. B). Simulate cutting the cord by detaching the cord from the stump, leaving the clamps in place.



Fig B.

NOTE: Do not cut the umbilical cord as it is meant for simulation of cutting only. Cutting the cord on the stump will cause the pulse to stop working and the chest overlay will need to be replaced. Cutting the cord above the quick connector insert on the long umbilical cord will damage the connector and it will need to be replaced to continue training.

Replacement umbilical cords are also available.

Heart Sounds and Umbilical Pulse:

The heart sounds and pulse beats are manually simulated using the squeeze bulb attached to the white tubing. Pressing the pulse bulb creates simultaneous rhythms with the umbilical stump pulse and the heart sounds. Use the included stethoscope to listen to the manually generated heart sounds.

Chest Overlay with Lungs and Umbilical Stump Placement:

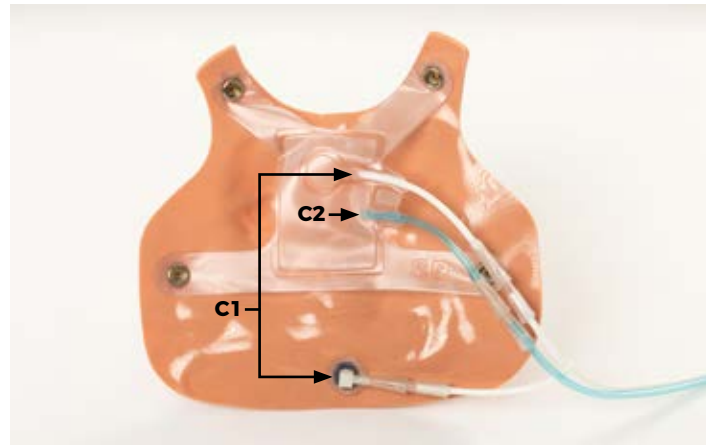


Fig C.

The **Chest Overlay with Lungs** may be used for manually generated normal or erratic breathing and is controlled by a squeeze bulb connected to transparent blue tubing.

1. White tubing controlling heart sounds and umbilical pulse.
2. Translucent blue tubing controlling breathing (chest rise and fall).

To replace the Lung Overlay with Umbilical Stump:

1. Unsnap the connection points on each shoulder and side.
2. Remove tubing connections.
3. Connect tubing to new overlay as shown in image above.

Airway Replacement

1. Remove the chest overlay by unsnapping it at the shoulders and torso.
2. Prepare the face shield/lung for insertion into the mouth by folding or rolling the closed end as shown in Fig. D.

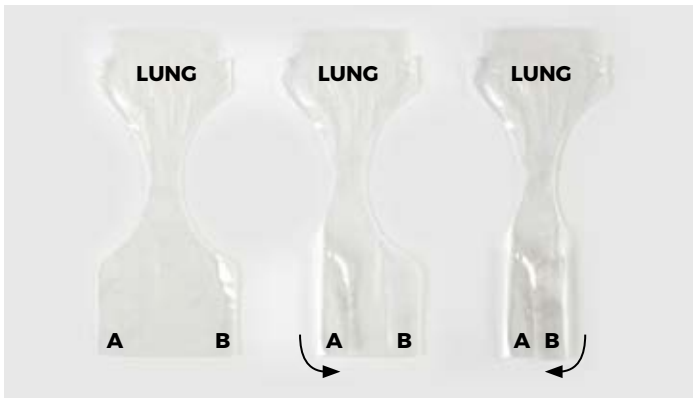


Fig D.

3. Tilt the head back and insert the bag into the mouth (Fig. E)

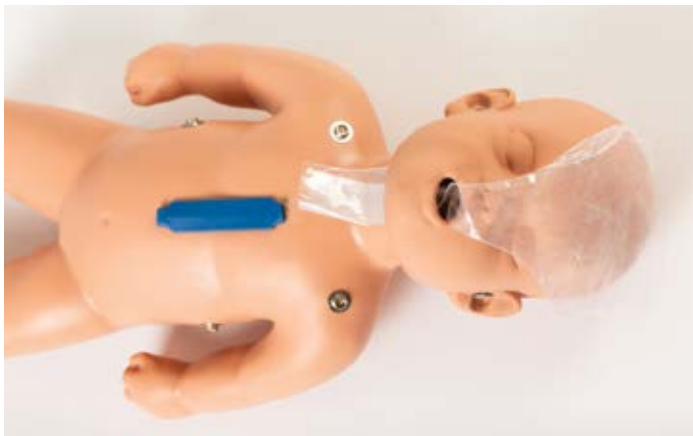


Fig E.

4. Grab the lung bag from underneath the chin and pull it through, flattening the lung bag flat against the chest and forming the face shield to cover the face from nose to chin (Fig. F).



Fig F.

5. Place the chest overlay back into place and snap it together at the shoulders (Fig. G).



Fig G.

Resuscitation

With the proper head tilt and chin lift procedure, the airway will be opened to be ventilated. Ventilation can be performed with a properly sized bag-valve mask resuscitator or by mouth-to-mouth or mouth-to-mask.

Note: If using the mouth-to-mouth or mouth-to-mask technique, replace the single-use face shield airway system after each use to reduce contamination risk between participants.

Realistic chest compressions may be practiced as recommended for newborns and infants. An audible click will be heard when the correct compression depth is reached.

Crying:

- Newborn cries can be simulated using the included squeeze bulb (Fig. H). This does not connect to the manikin or tubing.



Fig H.

General Care, Maintenance, and Storage

1. Most cleaning can be done using a soft cloth, mild liquid soap, and warm water.
2. Stubborn stains can be treated using Nasco Cleaner (SKU LF09919U). **CAUTION: Do not use around the nose or mouth of the trainer as it may be toxic if ingested.**
3. Stains caused by makeup, ink, pens, or newsprint are indelible and cannot be removed. Avoid contact with these substances.
4. When fully dry, store the trainer and its components in the included carry bag.

Supplies/Replacement Parts for Neo Nate

- 101-341** Neo Nate Chest Overlay with Lungs
- 101-342** Neo Nate Replacement Tubing with Pulse Bulbs
- 101-343** Neo Nate Replacement Umbilical Cord
- 100-2125** Face Shield Lung System, Pkg. of 100



3-year warranty



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