Basic Infant CRiSis™ Manikin
LF03707U
INSTRUCTION MANUAL

5-Year Warranty
The Life/form® Infant CRiSis™ Manikin provides you with a low-cost simulator to suit your basic training needs.

The Infant CRiSis™ Manikin allows you to simulate resuscitation, along with the ability to check for a pulse and practice airway management skills, including intubation and suctioning. You can also practice umbilical clamping, cutting, and cannulation.

CLEANING THE SIMULATOR
Normal soil can be removed with mild soapy water. Nasco Cleaner (LF09919U) will remove stubborn stains. Simply apply Nasco Cleaner to the soiled area and wipe clean with a soft cloth or paper towel.

Note: Avoid using cleaner around the mouth and nose area if students will be applying direct mouth-to-mouth resuscitation techniques, as the cleaner may be toxic if ingested. NEVER place the trainer on any kind of printed paper or plastic. These materials, as well as ball-point pens, will transfer indelible stains. Do not use any cosmetics.

LIST OF COMPONENTS
- Basic Infant CRiSis™ Manikin
- 6 Umbilical Cords
- 6 Umbilical Cord Clamps
- 1 IV Bag with Clamp
- 1 Quart of Life/form® Blood
- Pump Spray Lubricant
- 8 Towels
The Life/form® Infant Brachial Pulse Arm is an exciting training aid for taking newborn pulses. A series of contractions on the squeeze bulb will create a pulse in the antecubital region. With practice, a very realistic pulse can be created. 

Note: This arm is not designed for injections and should not be penetrated by a needle. The above diagram shows the position of the tubing embedded in the arm to simulate an artery. (See Figure 1.)

SUPPLIES/REPLACEMENT PARTS FOR THE INFANT AIRWAY MANAGEMENT TRAINER

LF03644U Pump Spray Lubricant
LF09919U Nasco Cleaner

ABOUT THE SIMULATOR

The Life/form® Infant Airway Management Trainer is the most realistic simulator available for the training of intubation skills. Nasco has taken great care to create an airway management trainer that is anatomically correct in respect to both size and detail. Landmarks include gum line, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false and true vocal cords, cricoid ring, tracheal rings, trachea, and esophagus. Nasco’s Infant Airway Management Trainer allows you to practice oral intubation. Suction techniques can also be performed and evaluated. The simulator was designed to use an uncuffed endotracheal tube measuring up to 4.0 mm I.D.

LUBRICATION

Before using the Life/form® Infant Airway Management Trainer, lubricate both the oral cavity and the endotracheal tube you plan to use with the pump spray lubricant provided.

Note: Nasco recommends the use of the provided lubricant or a similar vegetable-based lubricant for the Infant Airway Management Trainer. The use of a silicone-based or similar lubricant may cause damage to the simulator, thus voiding Nasco’s warranty on the trainer.

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THE INFANT BRACHIAL PULSE ARM

Figure 1
ABOUT THE SIMULATOR

The Life/form® Infant Chest Skin with Injectable Umbilicus is an exciting training aid for practicing and demonstrating umbilical clamping, cutting, and cannulation of the newborn. Visual and tactile realism are combined in this simulator to provide students with the most realistic training possible. The umbilicus allows students to practice clamping, cutting, and aspirating "blood," making the use of the Life/form® Infant Chest Skin with Umbilicus Simulator a realistic training exercise.

GENERAL INSTRUCTIONS FOR USE

A. Preparing the Synthetic Blood
Concentrated blood colorant is provided.
Fill the 16-oz. container with tap water for the proper dilution.

B. Hanging the IV Bag
Hang the bag no higher than 18”.

C. Filling the IV Supply Bag
Pour the diluted Life/form® Blood into the IV bag.
(See Figure 2.) Distilled water can be used in place of synthetic blood. Be certain the clamp on the tubing is closed before filling.

Figure 2

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Figure 2
D. Connecting the IV Bag to the Umbilicus
The umbilicus is supplied with a special connector that fits the umbilicus tubing and the IV bag. (See Figure 3.) Insert the connector from the IV bag into the tubing coming from the umbilicus as shown.

E. Filling the Umbilicus System
1. Hold a towel or container near the open end of the umbilicus.
2. Carefully open the clamp and allow the liquid to slowly flow through the system until a steady stream exits all three holes at the umbilicus end.

Note: Careful adjustment of the ramp clamp is needed to supply a steady stream of “blood” during the aspiration procedures. (See Figure 4.)

PROCEDURES THAT CAN BE PERFORMED ON THIS SIMULATOR
A. “Blood” Aspiration
The Life/form® Infant Chest Skin with Umbilicus Simulator allows the student to practice clamping and cutting the umbilicus. The umbilicus may be drawn out of the body to the desired length for trimming and is perfect for practicing umbilicus clamping and clamp removal.

Note: When the umbilici are used up, order the Umbilical Cannulation Replacement Cords (LF03642U) on page 7.

CAUSES FOR FAILURE IN FUNCTION
IV infusion may not flow if the IV bag isn’t high enough, if the clamp isn’t open, or if the latex tubing is kinked or pinched.

A. If “Blood” Cannot Be Aspirated During the Blood Drawing Procedure:
1. The clamp on the IV bag may not be open.
2. Air could be trapped in the umbilicus system. Simply flush the system slowly, draining some “blood” or distilled water, whichever you are using, until all the air bubbles are eliminated.
3. Check for possible kinks in the system.
INSTALLING A NEW UMBILICS

The simulator comes with an umbilicus installed. When necessary, replace it using the following instructions.

1. Remove the chest skin by unhooking it at the buttons. Lift out the lung plate and chest foam assembly.
2. Once the lung plate and chest foam assembly have been removed, take out the old umbilicus and discard it. Thread the new umbilicus up through the chest foam assembly so only 2" are protruding. (See Figure 5.)
3. Next, connect the umbilicus to the latex adapter and coil the extra umbilicus under the chest foam assembly.
4. Now install the lung plate and chest plate assembly back into the body. (See Figure 6.)
5. Finally, reattach the chest skin onto the manikin using the top four buttons on the torso, thread the umbilicus through the hole in the chest skin, and finish attaching the skin. (See Figure 7.) Push the umbilicus down so only about 1" is protruding.

Actual product may vary slightly from photo. Nasco Healthcare reserves the right to change product color, materials, supplies, or function as needed.
CARE OF THE SIMULATOR
This training simulator has been designed to provide the greatest possible durability and lowest maintenance without compromising the realism of use. Following are some suggestions for helping you yield the maximum life from this unique simulator.

A. Before Storing the Chest Skin with Umbilicus
1. Drain the umbilicus by raising the body over the height of the IV bag and then opening the ramp clamp. Allow the “blood” to flow back past the bag clamp, then close the clamp.
2. Disconnect the IV bag and pour the fluid back into the container.
3. If synthetic blood was used, flush out both the bag and umbilicus with clean water and allow them to dry.

SUPPLIES/REPLACEMENT PARTS FOR THE INFANT CHEST SKIN WITH UMBILICUS
LF00845U Life/form® Venous Blood, 1 quart
LF00846U Life/form® Venous Blood, 1 gallon
LF01022U Fluid Supply Stand
LF01130U Fluid Supply Bag
LF03642U Umbilical Cannulation Replacement Cords (10 pk.)
LF09919U Nasco Cleaner
Other Available **Life/form** Simulators

- LF03709U  Infant **CRI.Sis™** Manikin
- LF03616U  Child **CRI.Sis™** Manikin
- LF03617U  Deluxe Child **CRI.Sis™** Manikin with Arrhythmia Tutor
- LF03953U  **CRI.Sis™** Manikin, Complete
- LF03955U  Deluxe **CRI.Sis™** Manikin
- LF03956U  Deluxe “Plus” **CRI.Sis™** Manikin
- LF03965U  Adult **CRI.Sis™** Auscultation Manikin
- LF03966U  Adult **CRI.Sis™** Auscultation Manikin with ECG Simulator

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