Other Available Life/form Simulators

- LF00698U Adult Injectable Arm (White)
- LF00856U Female Catheterization
- LF00901U Prostate Examination
- LF00906U Ostomy Care
- LF00929U Surgical Bandaging
- LF00957U Enema Administration
- LF00958U Pediatric Injectable Arm
- LF00961U Intramuscular Injection
- LF00984U Breast Examination
- LF00995U Arterial Puncture Arm
- LF00997U Adult Injectable Arm (Black)
- LF00999U Pediatric Injectable Head
- LF01008U Intradermal Injection Arm
- LF01012U Heart Catheterization (TPN)
- LF01019U Ear Examination
- LF01020U Supplementary Ear Set
- LF01025U Male Cath-Ed I
- LF01026U Female Cath-Ed II
- LF01027U Peritoneal Dialysis
- LF01036U Suture Practice Arm
- LF01037U Spinal Injection
- LF01062U Pelvic, Normal & Abnormal
- LF01063U Stump Bandaging, Upper
- LF01064U Stump Bandaging, Lower
- LF01069U Cervical Eflacement
- LF01070U Birthing Station
- LF01082U Cricothyrotomy
- LF01083U Tracheostomy Care
- LF01084U Sigmoidoscopical Examination
- LF01087U Central Venous Cannulation
- LF01095U Blood Pressure Arm
- LF01108U Intraosseous Infusion Simulator
- LF01112U Advanced IV Arm
- LF01139U Advanced IV Hand
- LF01142U Auscultation Trainer
- LF01162U Venatech IV Trainer
- LF03000U CPR LENE® Series
- LF03601U Adult Airway Management Trainer
- LF03602U Adult Airway Management on Manikin
- LF03603U Adult Airway Management Head Only
- LF03609U Child Airway Management Trainer
- LF03610U Child Airway Management Trainer Head Only
- LF03611U Child Defibrillation Chest Skin
- LF03612U Child IV Arm
- LF03613U Child Blood Pressure Arm
- LF03614U Child Intraosseous Infusion/ Femoral Access Leg Only
- LF03615U Complete Child CRiSis™ Update Kit
- LF03616U Child CRiSis™ Manikín
- LF03617U Deluxe Child CRiSis™ Manikín
- LF03620U PALS Update Kit
- LF03621U Infant Airway Management Trainer Head Only
- LF03622U Intraosseous Infusion Right Leg
- LF03623U Infant Airway Management Trainer
- LF03626U Child Femoral Access Injection Pad Replacement
- LF03632U Child Intraosseous Infusion/ Femoral Access Leg on a Stand
- LF03633U Child Airway Management Trainer with Torso
- LF03693U Basic Buddy CFR Manikín
- LF03699U "Airway Larry" Airway Management Trainer
- LF03720U Baby Buddy Infant CFR Manikín
- LF03953U CRiSis™ Manikín
- LF03955U Deluxe CRiSis™ Manikín
- LF03965U Deluxe “Plus” CRiSis™ Manikín
- LF04001U GERI™ Nursing Manikín
- LF04020U KERI™ Nursing Manikín
- LF04021U KERI™ Basic Manikín
- LF04022U KERI™ Advanced Manikín
- LF04030U GERI™ Advanced Manikín
- LF04040U GERI™ Basic Manikín
- LF06001U CPR Prompt™ Adult/Child Manikín
- LF06012U CPR Prompt™ Infant Manikín
- LF06200U CPR Prompt™ Keychain Rescue Aid
- LF06200U CPR Prompt™ Rescue and Practice Aid

INFANT CHEST SKIN WITH UMBILICUS
LF03638U
INSTRUCTION MANUAL
Infant Chest Skin with Umbilicus

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.

Set Up:

The Life/form® Infant Chest Skin with Umbilicus has been designed to replace the standard outer chest skin on the Resusci® Baby* brand CPR Manikins.

Resusci® Baby* Installation Instructions:

Removing The Regular Chest Skin:

In order to install the Infant Chest Skin with Umbilicus, you must first remove the outer skin that is currently in place on the Resusci® Baby*.

Chest Plate Preparation:

Lift out the lung and chest plate assembly (Figure 1). Once you have removed the lung plate from your Resusci® Baby* you must determine which style the lung plate is.

3. Attach the new umbilicus by sliding it inside the tube (Figure 16).

4. Reinstall the umbilicus as described earlier.

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 Intravenous Fluid Bag
LF03642U Umbilicus Replacements (10 pk.)
W09919U REN Cleaner

*RESUSCI® BABY IS A TRADEMARK OF LAERDAL MEDICAL CORPORATION.
Procedures That Can Be Performed On This Simulator:

A. Blood Aspiration:
The Life/form® Infant Chest Skin with Umbilicus is now ready for aspiration practice. The “blood” flow is controlled by careful adjustment of the ramp clamp.

B. Cutting and Clamping the Umbilicus:
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 Umbilicus Replace-ments (LF03642U) on page 24.

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.

B. Umbilicus Replacement:
After the length of umbilicus is used up it will need replacing. The simulator comes with 5 additional umbilici. To replace the used umbilicus with a new piece, do the following:
1. Make sure the clamp on the IV bag is closed.
2. Disconnect the old umbilicus from the latex tubing (Figure 15).

Care of the Simulator:
This training simulator has been designed to provide the greatest possible durability and lowest maintenance while not compromising the realism of use. The 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.

B. Umbilicus Replacement:
After the length of umbilicus is used up it will need replacing. The simulator comes with 5 additional umbilici. To replace the used umbilicus with a new piece, do the following:
1. Make sure the clamp on the IV bag is closed.
2. Disconnect the old umbilicus from the latex tubing (Figure 15).

By measuring, find the center between the two circles and mark it with a pencil (Figure 5).

Carefully drill a 3/8" hole through the lung plate in the marked location (Figure 6). (Be sure to wear safety glasses during this step.)
Once the lung and chest plate assembly has been removed, thread the umbilicus up through the lung plate assembly so only two inches are protruding (Figure 8).

Next, coil the extra umbilicus under the plate with the small latex tubing coming out of the right-hand side of your Resusci® Baby*.

Be sure the hole is nice and smooth and no burs are present. You may remove any burs with a file or by trimming carefully with a scalpel (Figure 7A and 7B).

Installing the Umbilicus:

Now install your lung and chest plate assembly back into the body (Figure 9).

Finally, snap the top four connections down on your new chest skin, thread the umbilicus through the hole in the chest skin (Figure 10), and finish attaching the skin. Push the umbilicus down so only about one inch is protruding.

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 (Figure 11).

B. Hanging the IV Bag:
Hang the bag at an 18" height.

C. Filling the IV Supply Bag:
Pour the diluted Life/form® Blood into the IV bag (Figure 12). Distilled water can be used in place of synthetic blood. Be certain the clamp on the tubing is closed before filling.

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. 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 (Figure 14).
Installing the Umbilicus:

Be sure the hole is nice and smooth and no burs are present. You may remove any burs with a file or by trimming carefully with a scalpel (Figure 7A and 7B).

Once the lung and chest plate assembly has been removed, thread the umbilicus up through the lung plate assembly so only two inches are protruding (Figure 8).

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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 Umbilicus Replace-ments (LF03642U) on page 24.

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.

Care of the Simulator:

This training simulator has been designed to provide the greatest possible durability and lowest maintenance while not compromising the realism of use. The 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.

B. Umbilicus Replacement:

After the length of umbilicus is used up it will need replacing. The simulator comes with 5 additional umbilici. To replace the used umbilicus with a new piece, do the following:

1. Make sure the clamp on the IV bag is closed.
2. Disconnect the old umbilicus from the latex tubing (Figure 15).

If you have a lung plate like the one in Figure 2, you may proceed to “Installing the Umbilicus” on page 21.

Carefully drill a \(\frac{3}{8}\)" hole through the lung plate in the marked location (Figure 6). (Be sure to wear safety glasses during this step.)
Infant Chest Skin with Umbilicus

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.

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Resusci® Baby* Installation Instructions:

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Supplies/Replacement Parts for the Infant Chest Skin with Umbilicus:

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<th>Part Number</th>
<th>Description</th>
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*RESUSCI® BABY IS A TRADEMARK OF LAERDAL MEDICAL CORPORATION.*
## Other Available Life/form Simulators

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<tr>
<th>Code</th>
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<td>LF00698U</td>
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