

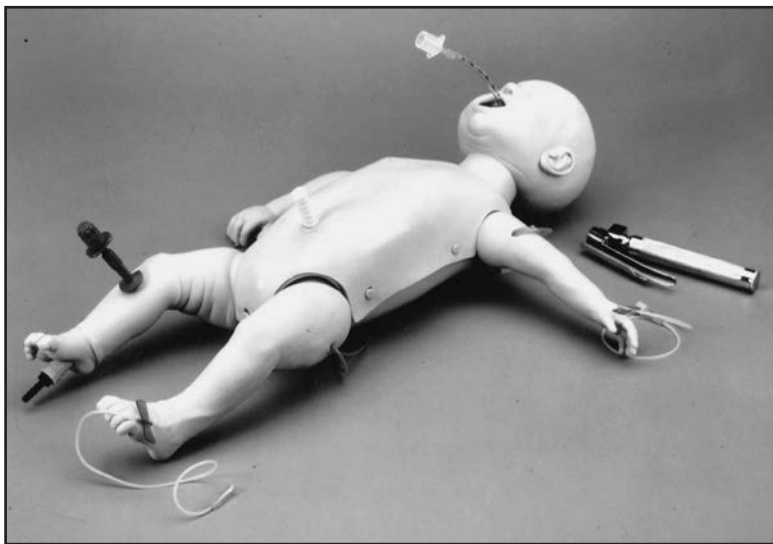


3 Life/form. Year Warranty
Simulators & Trainers

A collection of medical simulation equipment for a newborn. The central item is a realistic baby manikin lying on its back. Surrounding it are various medical supplies: two large white IV bags with blue markings and tubing, a blue manual resuscitator (Ambu bag), several syringes in their original packaging, a tube of lubricant, a bottle of LifeForm disinfectant, a pink coiled tube, a blue bulb, and several grey tubes. The equipment is arranged on a plain white background.

Life/form® **Products by Nasco**

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The **Life/form**® Infant **CRiSis**™ Manikin allows you to create a training simulator to suit your needs. The manikin features an Airway Management Head, IV Arm, Brachial Pulse Arm, IV Leg, Intraosseous Infusion Leg, and the Infant Chest Skin with Umbilicus. This instruction book has been divided into six sections. Each section covers a different component of the Infant **CRiSis**™ Manikin.

The Infant **CRiSis**™ Manikin allows you to simulate resuscitation, along with the ability to start IVs, check for a pulse, and practice airway management skills including intubation and suctioning. You can also perform intraosseous infusion and 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

- Infant **CRiSis**™ Manikin
- 5 IV Bags w/Clamps
- **Life/form**® Blood — 4 Pints
- Winged Infusion Sets (2 each)
- 3 cc Syringe (3 each)
- 22-Gauge Needle (2 each)
- 2 Mini Clamps
- 1 Ramp Clamp
- 6 Disposable Umbilical Cord Clamps
- 1 Bottle of Pump Spray Lubricant
- 1 60 cc Syringe Set
- 1 Tube K-Y Jelly
- 1 Complete Intraosseous Bone Kit
- 8 Towels



Figure 1

The Infant Airway Management Trainer Head

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.



Figure 2

Lubrication

Before using the Infant Airway Management Trainer, lubricate both the oral cavity and the endotracheal tube you plan to use with the pump spray lubricant provided. (**See figure 2.**)

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.

Supplies/Replacement Parts for the Infant Airway Management Trainer

LF03644U Pump Spray Lubricant

LF09919U Nasco Cleaner

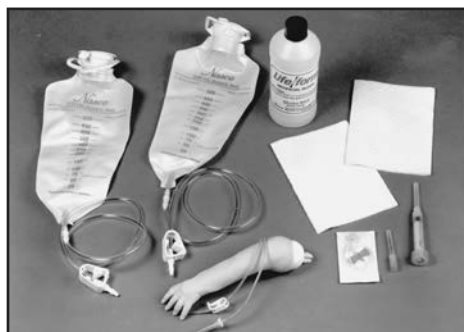


Figure 1

The Infant Injectible Training Arm About the Simulator

The **Life/form**® Infant Injectible Training Arm Simulator is a dramatic and exciting training aid for practicing and demonstrating intravenous therapy of an infant. (See figure 1.) Visual and tactile realism are combined in this simulator to provide students with the most realistic training possible for infant venipuncture. A special, extremely thin synthetic skin, and rubber tubing with appropriately small lumen and thin walls, make the use of the **Life/form**® Infant Injectible Training Arm Simulator a realistic training exercise.

Internal Structure

The following diagram shows the position of tubing embedded within the arm to simulate veins. (See figure 2.) The tubing is not accessible for its full length, offering only four injection sites. Careful palpation will allow the student to locate the veins.

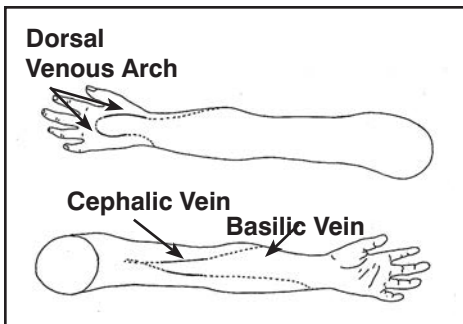


Figure 2

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. (See figure 3.)



Figure 3

B. Filling the IV Supply Bag

Pour diluted **Life/form**® Blood into the IV bag. (See figure 4.) Hang the bag at an 18" height. Be certain the clamp on the IV tubing is closed.



Figure 4

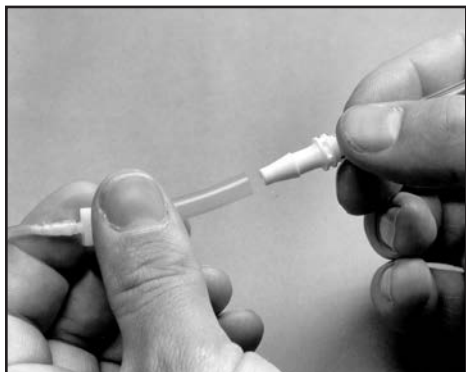


Figure 5

C. Connecting to the Arm

Insert the connector from the IV tubing into one line of the tubing coming from the arm. Connect as shown. **(See figure 5.)**



Figure 6

D. Filling the Venous System

1. Slide the pinch clamp over the free tubing end and place the tubing end over an empty container.
2. Open the IV bag clamp and allow the **Life/form®** Blood to flow through the system until a steady stream exits through the open tubing end. **(See figure 6.)**
3. Close the pinch clamp on the open tubing end.



Figure 7



Figure 8

E. Ready for Use

The **Life/form®** Infant Injectable Training Arm is now ready for use. **(See figure 7.)** The pinch clamp on the IV bag should be left open during use. Venous pressure is altered by varying the height of the IV bag. A height of 18" is a good starting point. Excessive height may cause leakage through previous puncture sites. Needle size should be kept as small as possible to minimize damage to the skin and tubing. Refer to page 4 for identification of the vein sites. The **Life/form®** Infant Injectable Training Arm is now pressurized and ready for venipuncture practice. **(See figure 8.)**

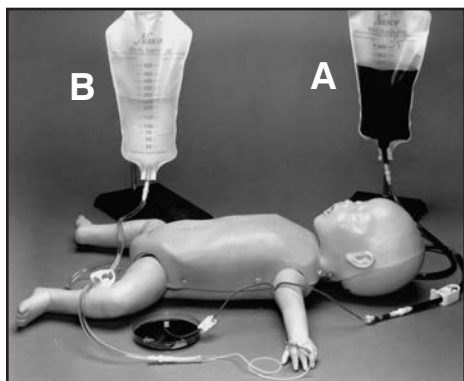


Figure 9

F. Preparing the Arm for Intravenous Infusions

1. Hang both IV bags and close the clamps at the end of both IV bags. Fill bag A with synthetic blood and bag B with distilled water (infusion). **(See figure 9.)**
2. Appropriate intravenous infusion needles (or butterflies) should be used.
3. The self-sealing simulated veins lend themselves very well to the practice of starting IV infusions, and IVs can be started where indicated. **(See figure 2.)** Cleanse the sites with distilled water only.
4. Attach the adapter end of the IV bag A tubing into the shoulder tubing connector.
5. Place the other shoulder tubing end in an empty basin or jar, and “flush” the vascular system by opening the clamp. Allow the “blood” to pass through the system until the air bubbles are eliminated. Shut off the flow at the shoulder tubing with a pinch clamp. The venous system is now full and pressurized.

6. Insert an IV needle (or butterfly) into the vein. “Flashback” will indicate a proper insertion.
7. Close the clamp on IV bag A and open the pinch clamp on the shoulder tubing at the basin.



Figure 10

8. Attach the latex needle adapter to the IV needle (or butterfly) and IV bag B. Open the clamp on IV bag B. **(See figure 10.)** Figure 10 shows only the correct attachment of the latex needle adapter. During the actual procedure, the butterfly needle would have already been inserted into the vein at this point.

Proof of proper procedure will be evidenced by the flow of fluid from IV bag B. Control the flow rate with the clamp on IV bag B. This fluid can be reused.

G. Recommended Procedures for Simultaneous Blood Drawing and IV Infusions

Use two IV bags. Hook up and install IV bag A as shown. (See figure 11.)

1. Blood Drawing — Begin with synthetic blood (or distilled water) in IV bag A. Do not hang IV bag A more than 18" higher than the simulator. "Flush" the system by allowing the fluid to flow into a collection dish until all the bubbles in the tubing are gone. Close the mini clamp on the tubing running to the dish. The system is now full of "blood" and pressurized. "Blood" can now be drawn anywhere along the pathway of the vein.
2. Intravenous Infusion — Insert the butterfly needle into the lumen of the vein. Proof of a correct insertion is evidenced by a flashback of "blood." Now close the clamp on IV bag A, remove it, and reattach it to the butterfly using the 2" latex adapter. Take IV bag B (empty), attach it to where IV bag A had been connected, and lay it by the simulator. At this point, make sure the mini clamp is closed and both IV

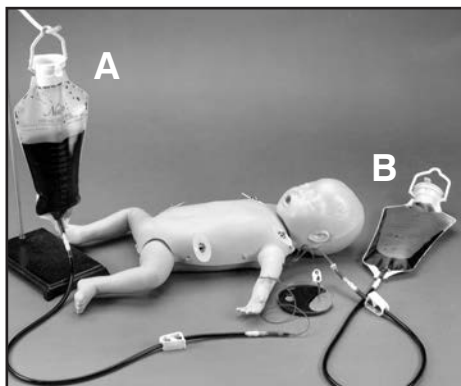


Figure 12

bag clamps are open. Adjust the infusion rate with the clamp on IV bag A. Should IV bag B fill, simply close the clamps on both IV bags, unhook them (be alert for some leakage), and switch each to the other's position. Hook them up and open both clamps. IV bag B is now the supply bag. This switch can be done as often as desired. (See figure 12.)

Note: Always regulate the flow of "blood" from the IV bag on the stand, and open the other IV bag clamp. To draw "blood" again, simply close the clamp on the IV bag that is lying down.

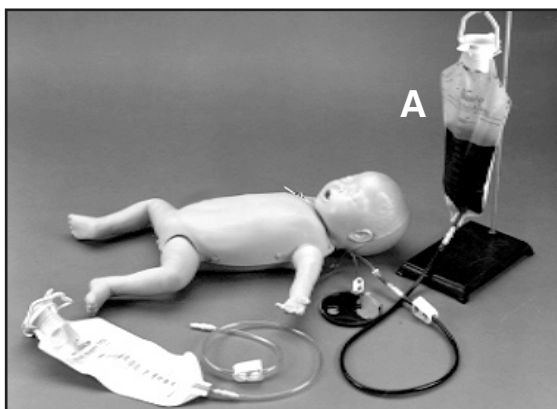


Figure 11

Causes for Failure in Function

If “blood” cannot be aspirated during the blood drawing procedure:

- A. The clamp on the IV tubing of the infusion bag may not be opened.
- B. Air could be trapped in the venous system. Simply flush the system slowly, draining some “blood” or distilled water, whichever you are using, until all air bubbles are eliminated.
- C. If these measures do not unclog the venous system, try using a large (50 cc) syringe to force fluid through the tubing.
- D. If none of these measures work, peel the skin off to the knuckles. **DO NOT REMOVE THE SKIN FROM THE FINGERS.** Examine all the tubing for possible kinks. After checking the tubing, return the skin to its normal position by covering the inside of the arm generously with baby powder, then pulling the skin back up over the arm.

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. The following are some suggestions for helping you yield the maximum life from this unique simulator.

A. Before Storing the Arm

1. Disconnect the IV bag and pour the fluid back into the container.
2. Rinse the IV bag.
3. Drain the arm. Open the pinch clamp and tip the hand up until the fluid has drained. Flush the arm with water. Rinse off the exterior of the arm and dry.

B. Needles

Puncturing the skin and vein with needles results in small cuts or slits, which will eventually lead to deterioration. The larger the needles, the larger the cuts made in the skin, and the shorter the life of the simulator. It is recommended that 22-gauge or smaller needles be used. Always use sharp needles. Dull or bent needles cause excessive tearing.

C. Tubing Sealant

A Vein Tubing Sealant Kit (LF01099U) has been developed for use with **Life/form®** Injectable Simulators. It will effectively seal punctures in the tubing.

D. Skin and Vein Replacement

After prolonged use, the skin and veins on your training arm will wear out and need replacing with the Infant IV Arm Replacement Skin/Veins (LF03641U).

Supplies/Replacement Parts for the Infant Injectable Training Arm

LF00845U **Life/form®** Venous Blood, 1 quart

LF00846U **Life/form®** Venous Blood, 1 gallon

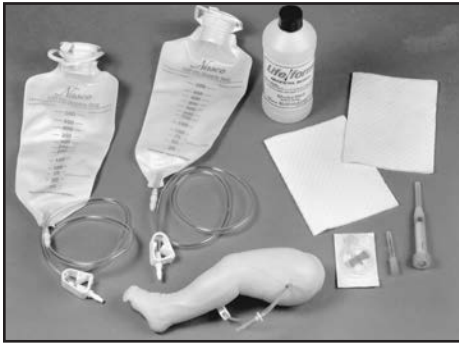
LF01022U Fluid Supply Stand

LF01099U Vein Tubing Sealant Kit

LF01130U Fluid Supply Bag

LF03641U Infant IV Arm Replacement Skin/Veins

LF09919U Nasco Cleaner



The Infant Injectable Training Leg About the Simulator

The **Life/form**® Infant Injectable Training Leg is an exciting training aid for practicing and demonstrating intravenous puncture of the newborn. Visual, as well as tactile, realism has been designed into this training aid to provide students with the most realistic training possible in developing skills for infant venipuncture. A special, extremely thin synthetic skin is paired with rubber tubing with a small lumen and thin walls to make the **Life/form**® Infant Injectable Training Leg the most realistic means of training medical personnel available.

With proper care, this **Life/form**® simulator will provide years of reliable service. Please read the instructions carefully.

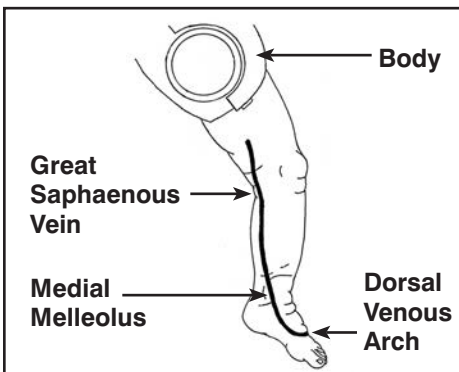


Figure 1

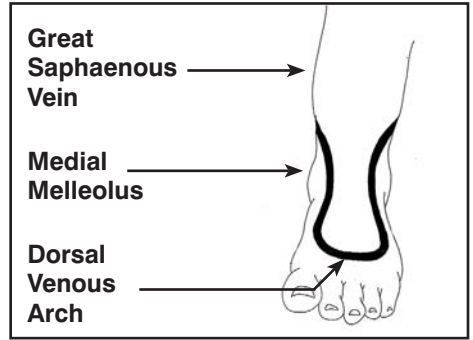


Figure 2

Internal Structure

Figures 1 & 2 on this page show the position of the tubing embedded within the leg to simulate veins. (**See figures 1 & 2.**) The tubing is superficial in its full length, offering a selection of injection sites. Careful palpation will allow the student to locate the veins.



Figure 3

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. (**See figure 3.**)



Figure 4

B. Filling the IV Supply Bag

Pour the diluted **Life/form®** Blood into the IV bag. (See figure 4.) Hang the bag at an 18" height. Be certain the clamp on the IV bag is closed before filling.



Figure 5

C. Connecting the Leg to the Supply Bag

The IV leg is supplied with a special connector that fits the leg tubing and IV tubing. Insert the IV tubing into the tubing coming from the leg as shown. (See figure 5.)

D. Filling the Venous System

1. Slide the pinch clamp over the free tubing end and place the tubing end over a container.

2. Open the IV bag clamp and allow **Life/form®** Blood to flow through the system until a steady stream exits without bubbles through the open tubing end. (See figure 6.)



Figure 6



Figure 7

3. Close the pinch clamp on the open tubing end.

E. Performing Venipuncture

The **Life/form®** Infant Injectable Training Leg is now pressurized and ready for venipuncture practice. (See figure 7.) Venous pressure is altered by varying the height of the IV bag. A height of 18" is a good starting point. Excessive height may cause leakage through previous puncture sites. Needle sizes should be kept as small as possible to minimize damage to the leg skin and tubing. Refer to page 9 for identification of vein sites.

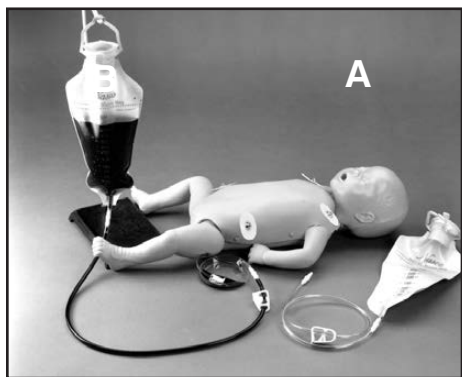


Figure 8

G. Preparing the Leg for Intravenous Infusions

1. Hang both IV bags and close the clamps at the ends of both IV bags. Fill IV bag A with synthetic blood and IV bag B with distilled water (infusion). (**See figure 8.**)
2. Appropriate intravenous infusion needles (or butterflies) should be used, and distilled water is recommended as an infusion.
3. The self-sealing simulated veins lend themselves very well to the practice of starting IV infusions, and IVs can be started where indicated. (**See figures 1 & 2.**) Cleanse the sites with distilled water only.
4. Attach the adapter end of IV bag A into the leg tubing connector.
5. Place the other leg tubing end in a basin or jar, and “flush” the vascular system by opening the clamp. Allow the infusion to pass through the system until air bubbles are eliminated. Shut off the flow at the leg tubing with a pinch clamp.
6. Insert an IV needle (or butterfly) into the vein. “Flashback” will indicate a proper insertion.

7. Close the clamp on IV bag A, and open the pinch clamp on the leg tubing at the basin.

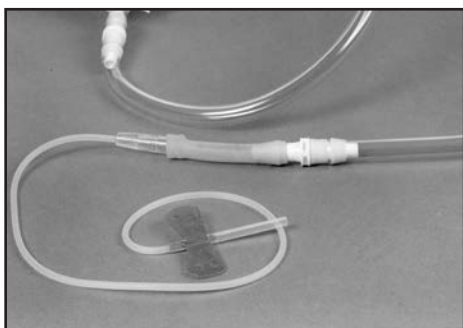


Figure 9

8. Attach the latex needle adapter to the IV needle (or butterfly) and IV bag B. Figure 9 shows the correct attachment of the latex needle adapter. (**See figure 9.**) During the actual procedure, the butterfly needle would have already been inserted into the vein at this point. Proof of proper procedure will then be evidenced by the flow of fluid from IV bag B. Control the flow rate with the clamp on IV bag B. This fluid can be reused.

H. Recommended Procedures for Simultaneous Blood Drawing and IV Infusions

Use two IV bags. Hook up and install IV bag A. (**See figure 10.**)

1. Blood Drawing — Begin with synthetic blood (or distilled water) in IV bag A. “Flush” the system by allowing the fluid to flow into a collection dish until all the bubbles in the tubing are gone. Close the mini clamp on the tubing running to the dish. The system is now full of fluid and pressurized. “Blood” can now be drawn anywhere along the pathway of the vein.



Figure 10

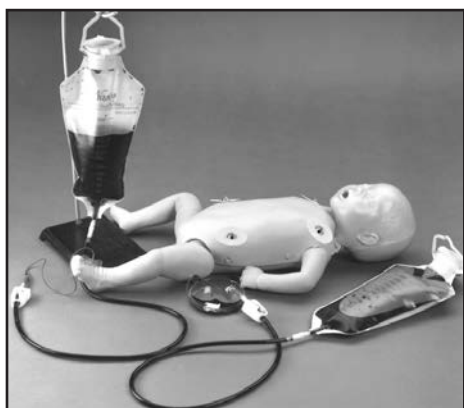


Figure 11

2. Intravenous Infusion — Insert the butterfly needle into the lumen of the vein. Proof of a correct insertion is evidenced by a flashback of “blood.” Now close the clamp on IV bag A, remove it, and reattach it to the butterfly using the 2" latex adapter. Take IV bag B (empty), attach it where IV bag A had been connected, and lay it by the simulator. At this point, make sure the mini clamp is closed and both IV bag

clamps are open. Adjust the infusion rate with the clamp on IV bag A. Should IV bag B fill, simply close the clamps on both bags, unhook them (be alert for some leakage), and switch each to the other's position. (**See figure 11.**) Hook them up and open both clamps. IV bag B is now the supply bag. This switch can be done as often as desired.

Note: Always regulate the flow of “blood” from the IV bag on the stand, and open the other IV bag clamp. To draw “blood” again, simply close the clamp on the IV bag that is lying down.

Causes for Failure in Function

If “blood” cannot be aspirated during the blood drawing procedure:

- A. The clamp on the IV tubing of the infusion bag may not be opened.
- B. Air could be trapped in the venous system. Simply flush the system slowly, draining some “blood” or distilled water, whichever you are using, until all air bubbles are eliminated.
- C. If these measures do not unclog the venous system, try using a large (50 cc) syringe to force fluid through the tubing.
- D. If none of these measures work, peel off the skin to the ankle. **DO NOT REMOVE IT FROM THE TOES.** Examine all the tubing for possible kinks. Generously cover the inside of the leg with baby powder and pull the skin back over the leg core.

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. The following are some suggestions for helping you yield the maximum life from this unique simulator.

A. Before Storing the Leg

1. Disconnect the IV bag and pour the fluid back into the container.
2. Rinse the IV bag.
3. Drain the leg. Open the pinch clamp and tip the leg up until the fluid is removed. Flush the leg with water. Rinse off the exterior of the leg and dry.

B. Needles

Puncturing the skin and vein with needles results in small cuts or slits, which will eventually lead to deterioration. The larger the needles, the larger the cuts made in the skin, and the shorter the life of the simulator. It is recommended that 22-gauge or smaller needles be used. Always use sharp needles. Dull or bent needles cause excessive tearing.

C. Distribution of Punctures

The vein is in contact with the skin from the point it enters the leg to the point of exit. If the injections are distributed along the length of the vein, without deviation from acceptable practice, the product will last longer.

D. Tubing Sealant

A Vein Tubing Sealant Kit (LF01099U) has been developed for use with **Life/form**® Injectable Simulators. It will effectively seal punctures in the tubing.

E. Skin and Vein Replacement

After prolonged use, the skin and veins on your IV training leg will wear out and need replacing with the Infant IV Leg Replacement Skin/Veins (LF03639U).

Supplies/Replacement Parts for the Infant Injectable Training Leg

- LF00845U** **Life/form**® Venous Blood, 1 quart
- LF00846U** **Life/form**® Venous Blood, 1 gallon
- LF01022U** Fluid Supply Stand
- LF01099U** Vein Tubing Sealant Kit
- LF01130U** Fluid Supply Bag
- LF03639U** Infant IV Leg Replacement Skin/Veins
- LF03640U** Infant IV Leg Replacement Veins
- LF09919U** Nasco Cleaner



The Intraosseous Infusion Leg

About the Simulator

The **Life/form**® Intraosseous Infusion Leg is a dramatic and exciting training aid designed to demonstrate and simulate the intraosseous infusion procedure. The Intraosseous Infusion Leg enables students to learn and practice, with incredible accuracy and realism, a procedure that has been very difficult to simulate in the past. The specially designed simulator allows the student to practice the procedure several times without replacing the bone structure. This special structure, combined with traditional realism, makes for a very accurate simulation of the procedure. The simulator is a right leg.



Figure 1

1. Combine the red coloring, 1 full tube of K-Y Jelly, and 1¼ cups of tap water in the pint bottle provided. (**See figure 1.**) Shake it vigorously for 30 seconds until the contents are mixed completely.

The syringe is provided with the tubing already attached. Fill the syringe by placing the tubing end into the blood mixture and drawing back on the plunger until the syringe is full.



Figure 2



Figure 3

2. Slightly lubricate the inside of the leg skin with liquid lubricant and slide the leg skin over the foot into position. (**See figures 2 & 3.**)
3. Connect the end of the tubing on the syringe to the bone piece. Apply liquid lubricant to the entire bone, including the two locking grooves, and slide it into position in the leg. (**See figure 4.**) Lay towels under the leg to absorb any overflow of "blood."



Figure 4

*** IMPORTANT ***

4. Make your first needle insertion and remove the needle stylus. Proper insertion and pressure applied to the syringe will allow “blood” to flow through the tubing and fill the bone. When you observe “blood” flowing up through the needle, the bone is completely charged. Each new bone will need to be charged in this same manner. Correct subsequent insertions will produce an immediate flow of fluid through the needle. To reduce the pressure being placed on the bone, pull the plunger on the syringe back once for verification of placement. This will decrease the amount of “blood” that may leak from the bone.



Figure 5



Figure 6

5. The bones have been designed so all four sides can be punctured. Carefully remove the bone from the leg and wipe it clean. Remove a small piece of the wax provided and work it with your fingers until soft. Rub the wax piece back and forth across the bone holes until they are sealed. **(See figure 5.)** A thin layer of wax left on the bone surface over the holes will help in sealing. Finish by applying a thin film of Nasco Lubricant over the entire bone. Turn the bone 90° and reinsert into the leg. **(See figure 6.)** Do this until all four sides of the bone structure have been punctured, at which time the bone can be discarded.

Note: The Intraosseous Infusion Leg duplicates a procedure that requires a great deal of pressure to be placed on both the simulator and the needle being used. Extreme caution should be taken to avoid pushing the needle completely through the simulator, injuring the person performing the procedure. Nasco cannot be responsible for injuries resulting from improper use of the simulator.

Cleanup Procedures

1. Remove and discard any bones that have been charged with the blood mixture.
2. Remove the leg skin. Use paper towels to completely wipe the simulator and remove any “blood” or lubricating agent.
3. Drain the syringe and discard any of the unused blood mixture.
4. Use clean tap water to flush and clean the syringe and tubing. Allow it to dry.
5. The leg can be left on the body, or removed and stored with the other items in the shipping box.

Supplies/Replacement Parts for the Intraosseous Infusion Leg

LF01109U	Intraosseous Infusion Bone Replacement Kit
LF01111U	Intraosseous Infusion Simulated Blood Mixture
LF03624U	Leg Skin Replacement Kit (4 ea.)
LF03625U	Intraosseous Leg Replacement Skin and Bones



Figure 1

Infant Chest Skin with Umbilicus
(See 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.



Figure 2

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. (**See figure 2.**)

B. Hanging the IV Bag

Hang the bag no higher than 18".



Figure 3

C. Filling the IV Supply Bag

Pour the diluted **Life/form®** Blood into the IV bag. (**See figure 3.**) Distilled water can be used in place of synthetic blood. Be certain the clamp on the tubing is closed before filling.

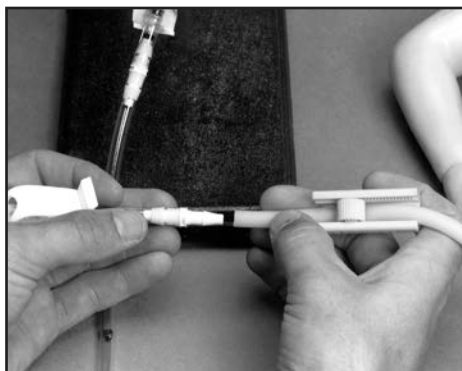


Figure 4

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 4.) 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 5.)



Figure 5

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 Umbilical Cannulation Replacement Cords (LF03642U) on page 20.

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.



Figure 6

Installing a New Umbilicus

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

Remove the chest skin by unhooking it at the buttons. Lift out the lung plate and chest foam assembly.

Once the lung plate and chest foam assembly has 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 6.)**

Next, connect the umbilicus to the latex adapter and coil the extra umbilicus under the chest foam assembly.

Now install your lung and chest plate assembly back into the body. **(See figure 7.)**

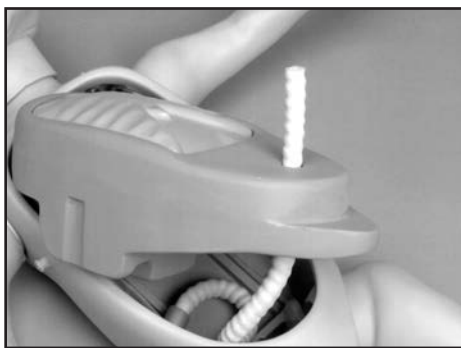


Figure 7

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. Push the umbilicus down so only about 1" is protruding. **(See figure 8.)**



Figure 8

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

The Infant Brachial Pulse Arm

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.

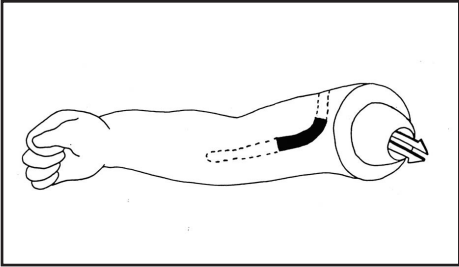


Figure 1

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.)**

Other Available *Life/form*® Simulators

LF00698U	Adult Injectable Arm (White)	LF01184U	Venatech IM & Sub Q
LF00855U	Male Catheterization	LF01193U	Special Needs Baby
LF00856U	Female Catheterization	LF03000U	CPARLENE ® Series
LF00901U	Prostate Examination	LF03601U	Adult Airway Management Trainer with Stand
LF00906U	Ostomy Care	LF03602U	Adult Airway Management Manikin
LF00929U	Surgical Bandaging	LF03609U	Child Airway Management Trainer with Stand
LF00957U	Enema Administration	LF03616U	Child CRiSis ™ Manikin
LF00958U	Pediatric Injectable Arm	LF03617U	Deluxe Child CRiSis ™ Manikin with Arrhythmia Tutor
LF00961U	Intramuscular Injection	LF03620U	PALS Update Kit
LF00984U	Breast Examination	LF03623U	Infant Airway Management Trainer with Stand
LF00995U	Arterial Puncture Arm	LF03632U	Child Intraosseous Infusion/ Femoral Access Leg on a Stand
LF00999U	Pediatric Injectable Head	LF03633U	Child Airway Management Trainer Torso
LF01005U	First Aid Arm	LF03693U	Basic Buddy ® CPR Manikin
LF01008U	Intradermal Injection Arm	LF03699U	"Airway Larry" Airway Management Trainer
LF01012U	Heart Catheterization (TPN)	LF03709U	Infant CRiSis ™ Manikin
LF01019U	Ear Examination	LF03720U	Baby Buddy ™ Infant CPR Manikin
LF01027U	Peritoneal Dialysis	LF03750U	Fat Old Fred
LF01028U	Suture Practice Arm	LF03760U	Airway Management/Cricoid Pressure Trainer
LF01034U	Suture Practice Leg	LF03770U	Chest Tube
LF01036U	Spinal Injection	LF03953U	CRiSis ™ Manikin, Complete
LF01037U	Hemodialysis Practice Arm	LF03955U	Deluxe CRiSis ™ Manikin
LF01038U	Episiotomy Suturing Set	LF03956U	Deluxe "Plus" CRiSis ™ Manikin
LF01042U	Suture Kit	LF03965U	Adult CRiSis ™ Auscultation Manikin
LF01062U	Pelvic, Normal & Abnormal	LF03966U	Adult CRiSis ™ Auscultation Manikin with ECG Simulator
LF01063U	Stump Bandaging, Upper	LF04000U	GERI ™/ KERI ™ Manikin Series
LF01064U	Stump Bandaging, Lower	LF04200U	Adult Sternal Intraosseous Infusion
LF01069U	Cervical Effacement	LF06001U	CPR Prompt® Adult/Child Manikin
LF01070U	Birth Station	LF06012U	CPR Prompt® Infant Manikin
LF01082U	Cricothyrotomy	LF06200U	CPR Prompt® Keychain Rescue Aid
LF01083U	Tracheostomy Care	LF06204U	CPR Prompt® Rescue and Practice Aid
LF01084U	Sigmoidoscopic Examination		
LF01087U	Central Venous Cannulation		
LF01095U	Blood Pressure Arm		
LF01108U	Infant Intraosseous Infusion		
LF01121U	Advanced IV Arm		
LF01131U	Venipuncture and Injection Arm		
LF01139U	Advanced IV Hand		
LF01142U	Auscultation Trainer		
LF01143U	Testicular Exam		
LF01152U	Male & Female Catheter		
LF01155U	Advanced CPR Dog		
LF01162U	Venatech IV Trainer		
LF01174U	NG Tube & Trach Skills		

Nasco Fort Atkinson

901 Janesville Avenue, P.O. Box 901
Fort Atkinson, Wisconsin 53538-0901
1-800-558-9595

eNasco.com • E-mail: lifeform@eNasco.com

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