



# Child Intraosseous Infusion/Femoral Access Leg LF03614U INSTRUCTION MANUAL



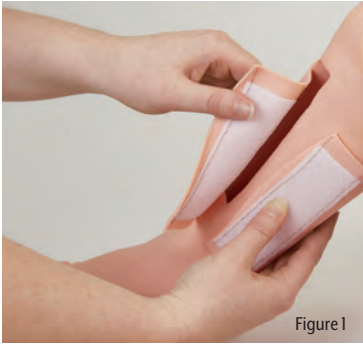
5-Year Warranty

## ABOUT THE SIMULATOR

The **Life/form**® Child Intraosseous Infusion/Femoral Access Leg is a dramatic and exciting training aid designed to demonstrate and simulate Intraosseous Infusion and Femoral Access procedures. It enables students to learn and practice with incredible accuracy and realism a procedure that has been very difficult to simulate in the past.

## LIST OF COMPONENTS

- Leg
- Femoral Access Site
- 10 Bone Inserts
- 2 Small White Towelettes
- 1 60 cc Syringe
- K-Y Jelly/Surgical Lubricant
- Wax
- ½ oz. Liquid Lubricant
- 2 Leg Skins
- 2 Mixing Bottles w/Blood Mix
- IV Bag



## GENERAL INSTRUCTIONS FOR INTRAOSSEOUS INFUSION USE

1. Slide the waist pin out and remove the right leg of the Resusci® Junior\* manikin.
2. Install the new Child Intraosseous Infusion/Femoral Access Leg and put the waist pin back into place. Lay the Resusci® Junior\* manikin on a flat surface, such as a tabletop. Lay towels under the knees for support and to absorb any overflow.
3. To prepare the blood mixture, combine the red coloring, 1 full tube of K-Y Jelly, and 1¼ cups of tap water in the pint bottle provided. Shake vigorously for 30 seconds until contents are mixed completely. After “blood” is mixed, fill the 60 cc syringe by placing the tubing end of the syringe into the bottle and drawing the “blood” up into the syringe.
4. Wrap the leg skin over the lower leg and fasten it on the backside. (See Figure 1.)
5. Connect the end of the tubing to the bone piece. Apply liquid lubricant to the entire bone, and slide into position in the leg. (See Figure 2.)

## IMPORTANT

6. Make your first needle insertion into the bone 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 verification of the placement has been made. This will decrease the amount of “blood” that may leak from the bone.

\*Resusci® Junior is a trademark of the Laerdal Medical Corporation.



- The bones have been designed so all four sides can be punctured. To change sides, carefully remove the bone from the leg and wipe clean. Remove a small piece of wax (provided) and work with your fingers until soft. Rub the wax piece back and forth across the bone holes until they are sealed. (See Figure 3.) 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 whole bone. Turn the bone 90° and reinsert into the leg. (See figure 4.) Do this until all four sides of the bone structure have been punctured, at which time the bone can be discarded.

**Special 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.

### CLEAN UP PROCEDURES

- Remove and discard any bones that have been charged with blood mixture.
- Remove leg skins and use paper towels to completely wipe the simulator and remove any “blood” or lubricating agent.
- Drain the syringe and discard any of the unused blood mixture.
- Use clean tap water to flush and clean the syringe and tubing. Allow to dry.

### GENERAL INSTRUCTIONS FOR FEMORAL ACCESS USE

- Prepare the blood mix by filling one of the pint bottles with water and shaking until mixed. (Do not add K-Y Jelly to the femoral blood mix.)
- Be sure the clamp on the IV bag tubing is closed, and hang the bag no more than 18" above the leg. Pour the blood mix from the bottle into the IV bag.
- Attach the fitting end of tubing to the access site tubing. (See Figure 5.)
- Open the clamp on the IV bag.
- To charge the vein, make your first needle insertion in the vein, and pull back on the syringe to remove air from the vein. Repeat until “blood” is withdrawn. The vein is now charged, and subsequent insertions will produce an immediate flow of “blood.”

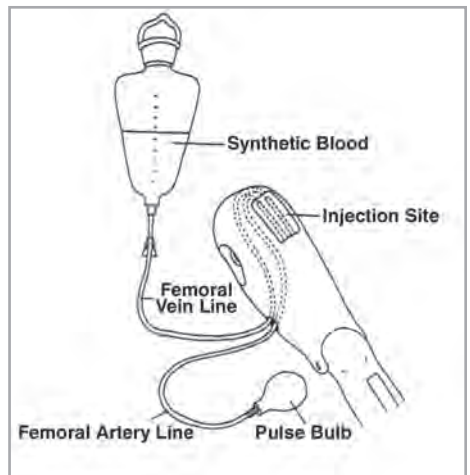


Figure 5

## CLEAN UP PROCEDURES

1. Close the clamp on the IV bag, pull the fitting from the femoral access tubing, and let the access tubing drain.
2. Drain the bag into the pint bottle by placing the IV bag tubing end into the bottle and opening the clamp.
3. When the bag is empty, close the bottle and flush out the IV bag with clean tap water. Let dry.

## SUPPLIES/REPLACEMENT PARTS FOR THE INTRAOSSEOUS INFUSION/FEMORAL ACCESS LEG

- LF03618U** Intraosseous Infusion Bone Replacement Kit  
**LF03619U** Intraosseous Infusion Left and Right Leg Skin Replacements  
**LF01111U** Intraosseous Infusion Simulated Blood Mixture  
**LF03626U** Femoral Injection Pad Replacement  
**LF00845U** **Life/form**® Venous Blood, 1 quart (Femoral Access)  
**LF00846U** **Life/form**® Venous Blood, 1 gallon (Femoral Access)

## Other Available **Life/form** Simulators

- LF03617U** Deluxe Child **CRiSis**™ Manikin with Arrhythmia Tutor  
**LF03709U** Infant **CRiSis**™ Manikin  
**LF03953U** **CRiSis**™ Manikin, Complete  
**LF03955U** Deluxe **CRiSis**™ Manikin  
**LF03956U** Deluxe "Plus" **CRiSis**™ Manikin  
**LF03965U** Adult **CRiSis**™ Auscultation Manikin  
**LF03966U** Adult **CRiSis**™ Auscultation Manikin with ECG Simulator



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