Child Intraosseous Infusion/Femoral Access Leg LF03614U Instruction Manual
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 1 ¼ cups of tap water in the pint bottle provided. (See figure 2.) 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 3.)

*Resusci® Junior is a trademark of the Laerdal Medical Corporation.
5. Connect the end of the tubing to the bone piece. Apply liquid lubricant to the entire bone, then slide into position in the leg. (See figure 4.)

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 proper placement has been made. This will decrease the amount of “blood” that may leak from the bone. (See figure 5.)

7. 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 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 whole bone. Turn the bone 90 degrees 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.
**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**

1. Remove and discard any bones that have been charged with blood mixture.
2. Remove leg skins and 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 to dry.

**General Instructions for Femoral Access Use**

1. 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.)
2. 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.
3. Attach the fitting end of tubing to the access site tubing. (See figure 7.)
4. Open the clamp on the IV bag.
5. To charge the vein, make your first 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.”

**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**

- LF00845U *Life/form®* Venous Blood, 1 quart, (Femoral Access)
- LF00846U *Life/form®* Venous Blood, 1 gallon, (Femoral Access)
- LF01111U Simulated Blood Mixture
- LF03618U Intraosseous Replacement Bones
- LF03619U Intraosseous Replacement Skin
- LF03626U Femoral Replacement Injection Pad
- LF09919U Nasco Cleaner
Other Available **Life/form. Simulators**

- LF00698U Adult Injectable Arm (White)
- LF00855U Male Catheterization
- 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
- LF00999U Pediatric Injectable Head
- LF01005U First Aid Arm
- LF01008U Intradermal Injection Arm
- LF01012U Heart Catheterization (TPN)
- LF01019U Ear Examination
- LF01027U Peritoneal Dialysis
- LF01028U Suture Practice Arm
- LF01034U Suture Practice Leg
- LF01036U Spinal Injection
- LF01037U Hemodialysis Practice Arm
- LF01038U Episiotomy Suturing Set
- LF01042U Suture Kit
- LF01062U Pelvic, Normal & Abnormal
- LF01063U Stump Bandaging, Upper
- LF01064U Stump Bandaging, Lower
- LF01069U Cervical Effacement
- LF01070U Birthing Station
- LF01082U Cricothyrotomy
- LF01083U Tracheostomy Care
- 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
- LF01184U Venatech IM & Sub Q
- LF01193U Special Needs Baby
- LF03000U CPRARLENE® Series
- LF03601U Adult Airway Management Trainer with Stand
- LF03602U Adult Airway Management Manikin
- LF03609U Child CRIsis™ Manikin
- LF03617U Deluxe Child CRIsis™ Manikin with Arrhythmia Tutor
- LF03620U PALS Update Kit
- LF03623U Infant Airway Management Trainer Torso
- LF03693U Basic Buddy® CPR Manikin
- LF03699U “Airway Larry” Airway Management Trainer
- LF03709U Infant CRIsis™ Manikin
- LF03720U Baby Buddy™ Infant CPR Manikin
- LF03750U Fat Old Fred
- LF03760U Airway Management/Cricoid Pressure Trainer
- LF03770U Chest Tube
- LF03953U CRIsis™ Manikin, Complete
- LF03955U Deluxe CRIsis™ Manikin
- LF03965U Deluxe “Plus” CRIsis™ Manikin
- LF03966U Adult CRIsis™ Auscultation Manikin
- LF03966U Adult CRIsis™ Auscultation Manikin with ECG Simulator
- LF04000U GERI™/KERI™ Manikin Series
- LF04200U Adult Sternal Intraosseous Infusion
- LF06001U CPR Prompt® Adult/Child Manikin
- LF06012U CPR Prompt® Infant Manikin
- LF06200U CPR Prompt® Keychain Rescue Aid
- LF06204U CPR Prompt® Rescue and Practice Aid

**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

COPYRIGHT © NASCO 2005 PRINTED IN U.S.A. NP 021-96/RV 7-12