



**INTRAOSSUEOUS
INFUSION LEG
LF03622U
INSTRUCTION MANUAL**



Life/form® Products by NASCO

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 **Life/form**[®] realism, makes for a very accurate simulation of the procedure. The simulator is a right leg, designed to be attached to the Resusci[®] Baby* CPR Manikin.

List of Components:

1. **Life/form**[®] Intraosseous Leg
2. 10 Bone Inserts
3. 2 Small White Towelettes
4. 1 60 cc Syringe w/attached tubing
5. K-Y Jelly
6. Wax
7. 1/2 oz. Liquid Lubricant
8. 2 Right Leg Skins
9. Mixing Bottle with Red Coloring

General Instructions for Use:

A. Attaching the Intraosseous Infusion Leg:

1. Place the Resusci[®] Baby* on a flat surface such as a tabletop.
2. Remove the baby's clothing and unhook the body skin at the three points along the lower torso
3. Roll the skin back over the chest.
4. Lift up on the inner cover just enough to get in and snap onto the standard right leg. When this is done, simply snap the intraosseous infusion leg into place.
5. Drop the inner cover and replace the skin and clothing.



Figure 1

B. Preparing the Synthetic Blood:

1. Combine the red coloring, 1 full tube of K-Y Jelly, and 1¹/₄ cups of tap water in the pint bottle provided (Figure 1).
2. Shake it vigorously for 30 seconds until the contents are mixed completely.
3. 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.

*RESUSCI[®] BABY IS A TRADEMARK OF LAERDAL MEDICAL CORPORATION



Figure 2



Figure 4



Figure 3

C. Installing the Leg Skin and Bone Piece:

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

D. Changing the Bone Piece for Use:

1. 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.
2. When you observe "blood" flowing up through the needle, the bone is completely charged.
3. 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.
4. 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.

E. Maximizing Bone Use:

1. The bones have been designed so all four sides can be punctured. Carefully remove the bone from the leg and wipe it clean.

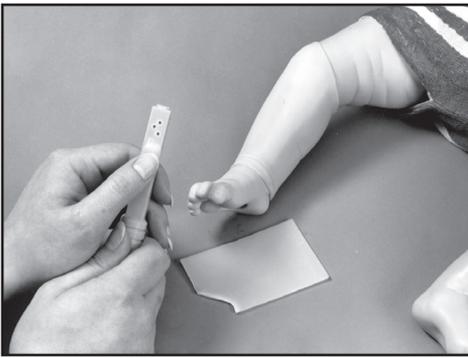


Figure 5



Figure 6

2. Remove a small piece of the wax provided and work it with your fingers until soft.
3. Rub the wax piece back and forth across the bone holes until they are sealed (Figure 5). A thin layer of wax left on the bone surface over the holes will help in sealing.
4. Finish by applying a thin film of NASCO lubricant over the entire bone.
5. Turn the bone 90° and reinsert into the leg (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 the blood mixture.
2. Remove the leg skin 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 it to dry.
5. The leg can be removed from the body if desired.

Supplies/Replacement Parts for the Intraosseous Infusion Leg:

- LF01109U** Intraosseous Infusion Bone Replacement Kit
- LF01111U** Intraosseous Infusion Blood Replacement Kit
- LF03624U** Replacement Leg Skins (4 ea.)
- LF03625U** Bone and Leg Skin Replacement Kit

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
LF01028U Suture Practice Arm
LF01036U Spinal Injection
LF01037U Hemodialysis Arm
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 Intraosseous Infusion Simulator
LF01121U Advanced IV Arm
LF01139U Advanced IV Hand
LF01142U Auscultation Trainer
LF01162U Venatech IV Trainer
LF03000U **CPARLENE®** 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™** Manikin
LF03617U Deluxe Child **CRiSis™** Manikin with Arrhythmia Tutor
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** CPR Manikin
LF03699U "Airway Larry" Airway Management Trainer
LF03720U **Baby Buddy** Infant CPR Manikin
LF03953U **CRiSis™** Manikin
LF03955U Deluxe **CRiSis™** Manikin
LF03965U Deluxe "Plus" **CRiSis™** Manikin
LF04001U **GERi™** Nursing Manikin
LF04020U **KERi™** Nursing Manikin
LF04021U **KERi™** Basic Manikin
LF04022U **KERi™** Advanced Manikin
LF04030U **GERi™** Advanced Manikin
LF04040U **GERi™** Basic Manikin
LF06001U **CPR Prompi™** Adult/Child Manikin
LF06012U **CPR Prompi™** Infant Manikin
LF06200U **CPR Prompi™** Keychain Rescue Aid
LF06200U **CPR Prompi™** Rescue and Practice Aid

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