

*Nasco*  
**Life/form**®



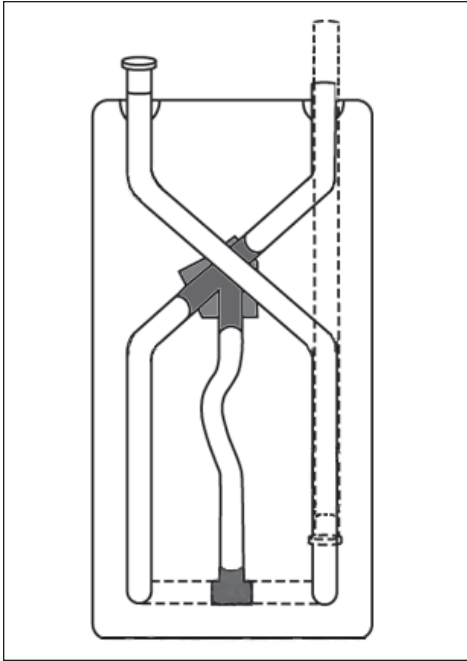
**VENATECH TRAINER  
INSTRUCTION MANUAL  
LF01162U, LF01163U,  
AND LF01175U**



**This product contains dry natural rubber!**

***Life/form***® Products by Nasco

## About the Trainer...



The Venatech IV Trainer includes the three main veins used in phlebotomy — cephalic, basilic, and median cubital — all in correct anatomical position.

An arterial vessel is present on the trainer for arterial blood gas simulation, and can also be used as a tool for showing how to correct the puncture through a vein into an artery. Besides practicing phlebotomy skills, the trainer helps students learn essential patient communication skills such as explaining the procedure to the patient, asking them to close their fist, etc.

Although this trainer will provide you with long trouble-free usage, the skin, veins, and artery can be easily replaced. Simply peel off the old skin revealing the foam “core” with veins and artery, then remove old veins and artery. After installing replacement veins, artery, and skin you have, literally, a brand new trainer. The life of the replaceable skin, veins, and artery will be prolonged by utilizing small

needle sizes (such as 20 to 25 gauge). However, if instruction with larger needle sizes is required, this can be done; the skin, veins, and artery will merely need replacing sooner. Skin, vein, and artery kits are available through Nasco (see list of supplies).

## Trainer Setup

1. Mix the synthetic blood in two small containers with  $\frac{1}{2}$  cup water in each. Add a few granules of each color concentrate to the water in each container (red in one; blue in the other). Stir to dissolve the concentrate. NOTE: Trainer comes with enough blood concentrate for several uses.
2. Using a syringe, fill a syringe with the red-colored fluid. Next, connect an empty syringe to the artery tube (lower right tube) and pull back on the plunger to evacuate the air in the tube. Pinch off the tube between the trainer and syringe with your fingers and remove the syringe. Attach the syringe with the red-colored fluid to the tube and release the tube allowing the red fluid to charge the artery.
3. Fill the other syringe with blue fluid for the veins. Next connect the empty syringe to the tube over the red syringe already on the trainer (upper right tube). Pull back on the plunger to evacuate the air in the vein tube. Pinch off the tube between the trainer and the syringe with your fingers and remove the empty syringe. Attach the syringe with the blue fluid to the tube and release the tube allowing the blue fluid to charge the veins.
4. Gently push on the syringe plungers until you feel resistance (the plunger should move back if the chamber is pressurized). Use only light pressure to avoid forcing the red plug out of the tubing.
5. Palpate for a vein.

6. Insert the needle into a vessel and withdraw fluid. **Note:** If evacuated system is being used, fluid will rush into the test tube. If you are using a winged infusion set, flashback will be present in the tubing. If no flashback appears, gently push on the plunger.
7. For arterial sticks, insert the needle of the syringe into the area under the vein on the right side and pull back on the plunger.
4. Do not allow “blood” to dry on the trainer — it may stain.
5. Do not clean the trainer with solvents or corrosive materials as they will cause damage.
6. Do not use for subcutaneous injection. Nasco’s Intradermal Injection Simulator (LF01008U) is specially designed for intradermal injection training and practice.

### Care of the Trainer

After each class use, disconnect the “blood” syringes and flush them with tap water. Next, remove the small red plug in the upper left tube and flush the tubes in the trainer with the syringes. The outside of the trainer may be washed with Ivory liquid detergent and water. Be sure the trainer is dry and excess water is drained from the veins before storing in the box.

Ordinary stains can be removed by washing with soap and warm water. Newsprint, similar printed paper, or plastic will permanently stain the trainer if prolonged contact occurs. Stubborn stains may be removed with REN cleaner (W09919U) by dispensing it on the area and wiping with a soft cloth or paper towel.

### Cautions

1. The synthetic blood is specially formulated to be compatible with the self-sealing veins and plastics used in manufacturing the trainer.
2. NEVER use synthetic blood for intramuscular injection.
3. Do not use dull or burred needles, as these will cause leaks in the system. Burred needles will cause permanent damage. Use smaller needles (20 to 25 gauge).

7. Use care when working with the blood concentrate: it will stain clothing.
8. Use only light pressure on the syringes to avoid forcing the red plug out of the tubing.

### DISCLAIMER

The **Life/form**® Venatech IV Trainer is only intended for use in a teaching or other controlled environment in which the skills learned with the trainer are taught or evaluated. This trainer should only be used under the supervision of a properly qualified instructor or other healthcare professional proficient in the skills taught with the trainer.

### Supplies/Replacement Parts for Venatech IV Trainer

**LF01165U** White Skin, Vein, and Artery Replacement Kit

**LF01169U** Clear Skin, Vein, and Artery Replacement Kit

**LF01166U** Black Skin, Vein, and Artery Replacement Kit

**LF01178U** Replacement Blood Kit (5)

**LF01177U** Vein and Artery Replacement Kit

**W09919U** REN Cleaner, 12-oz. bottle

## 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** **CPARLENE**® Series  
**LF03601U** Adult Airway Management Trainer with Stand  
**LF03602U** Adult Airway Management Manikin  
**LF03609U** Child Airway Management Trainer with Stand  
**LF03616U** Child **CRISIS**™ Manikin  
**LF03617U** Deluxe Child **CRISIS**™ Manikin with Arrhythmia Tutor  
**LF03620U** PALS Update Kit  
**LF03623U** Infant Airway Management Trainer with stand  
**LF03632U** Child Intraosseous Infusion/ Femoral Access Leg on a Stand  
**LF03633U** Child 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  
**LF03956U** Deluxe "Plus" **CRISIS**™ Manikin  
**LF03965U** 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

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