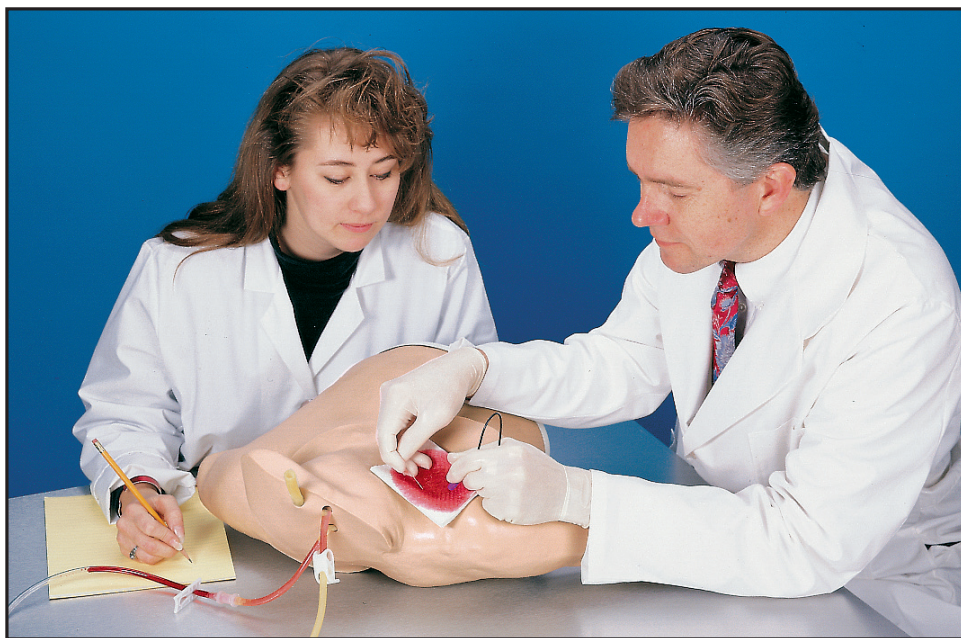

Heart Catheterization Simulator LF01012U Instruction Manual



**CAUTION: PRODUCT CONTAINS DRY NATURAL RUBBER.
DO NOT REMOVE FILM FROM TUBING!**

***Life/form®* Products by Nasco**

About the Simulator

The **Life/form®** Heart Catheterization Simulator is the ideal way to train staff in the techniques of central venous catheterization without patient risk. Venous catheterization and the use of a Swan–Ganz catheter can be practiced at all common sites of the upper torso (subclavian, jugular, and peripheral).

Preparation of the puncture sites and bandaging techniques may also be practiced with no fear of infection or harm to a patient.

Note: Some compromise in the position of the arm was necessary in the simulator to allow both peripheral and central catheterization. The right arm is slightly abducted, and the forearm is pronated. It is not necessarily the usual position for this procedure.

List of Components

- Replaceable Skin
- Vein Tubing Sealant Kit
- Needles
- **Life/form®** Venous Blood (1qt.)

Set Up Procedure

A. Prepare Synthetic Blood

Concentrated blood colorant is provided. Dilute the concentrate by filling the container with water.

B. Fill Supply Bag

Pour the colorant into the supply bag. Be certain the pinch clamp on the supply line is closed.

C. Connect to Simulator

Attach the connector on the end of the supply line to the matching connector on the simulator.

D. Fill System

Open the two pinch clamps on the simulator. Allow the system to be filled by opening the clamp on the supply line. Once the system is full, close both pinch clamps on the simulator. **DO NOT** close the pinch clamp on the supply line.

E. The simulator is now ready for use.

Skin and Tubing Replacement

Note how the tubing is laid out in the simulator while removing. This will make reassembling with new tubing easier.

- A. Remove clamps, connector, and shoestring.
- B. Lubricate exterior of outer skin with **Life/form®** Lubricant Kit (LF00985U).

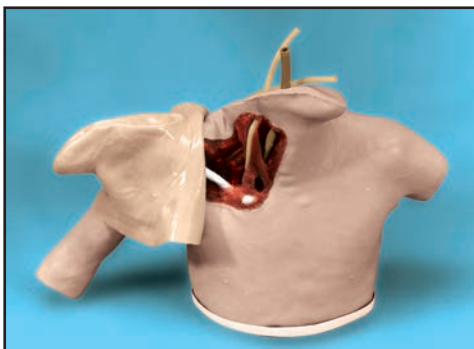


Figure 1

- C. Starting at the left shoulder, turn the skin inside out over the neck and chin area. (**See figure 1.**)
- D. Continue turning skin inside out down the entire length of the arm.
- E. Remove the white cover at the base of the simulator.

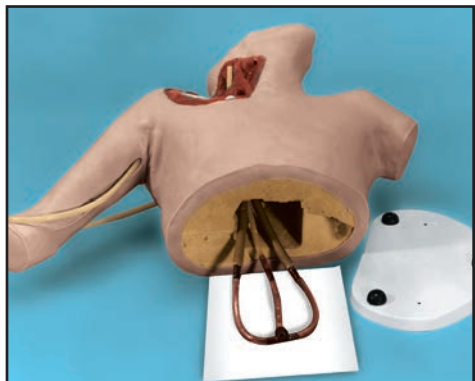


Figure 2

- F. Pull the damaged tubes out the base of the simulator. (**See figure 2.**)

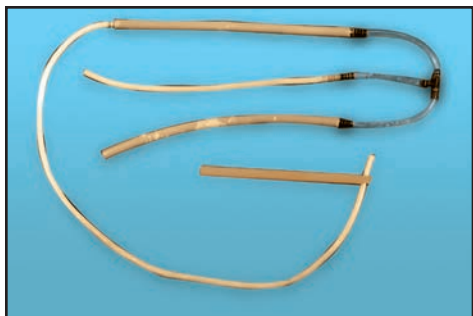


Figure 3

- G. Lubricate the new tubing with **Life/form®** Lubricant Kit. (See **figure 3.**) DO NOT REMOVE FILM FROM TUBING. The new tubing can be inserted into the dissected area of the shoulder by attaching it to the wooden dowel. (See **figure 4.**)

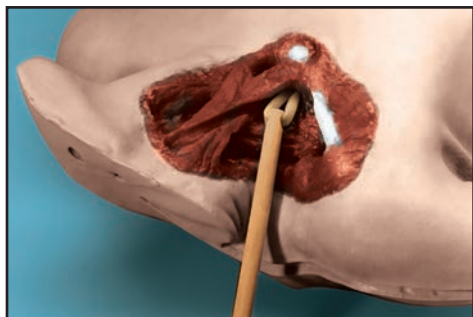


Figure 4

- H. Position tubing in vein channels.
- I. Lubricate the inside of new skin with **Life/form®** Lubricant Kit (LF00985U).
- J. Slide new skin onto body.
- K. Connect clamps, connector, shoestring, and cover.
- L. The simulator is now reconditioned and ready for use.

Care of the Simulator

Store simulator in the accompanying carrying case. The simulator can be cleaned with Ivory® liquid soap and warm water. Use Nasco Cleaner (LF09919U) to remove stubborn stains. Spray soiled area and wipe with soft cloth or paper towels.

Cautions

Solvents or corrosive materials will damage the simulator. Never place simulator on newsprint or any kind of printed paper or plastic. These materials will transfer an indelible stain. Ball-point pen ink will also make an indelible stain.

Supplies/Replacement Parts for the Heart Catheterization Simulator

- LF00845U **Life/form®** Venous Blood (1 qt.)
- LF01099U Vein Tubing Sealant Kit
- LF01013U Replacement Skin and Vein Set
- LF00985U **Life/form®** Lubricant Kit
- LF09919U Nasco Cleaner

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		

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