Nasco HEALTHCARE

Simulaids Life/form

First Aid Arm

LF01005U

INSTRUCTION MANUAL

5-Year Warranty

ABOUT THE SIMULATOR

The ***Life/form***® First Aid Arm is a dramatic and exciting training aid for the treatment of emergency bleeding. Visual as well as tactile realism have been designed into this training aid to provide students with the most lifelike training possible for the control of severe bleeding. Techniques of direct pressure, elevation, and pressure on the supplying artery can be performed with realistic results. With proper care, your ***Life/form***® First Aid Arm will provide years of reliable service. Please read the instructions carefully.

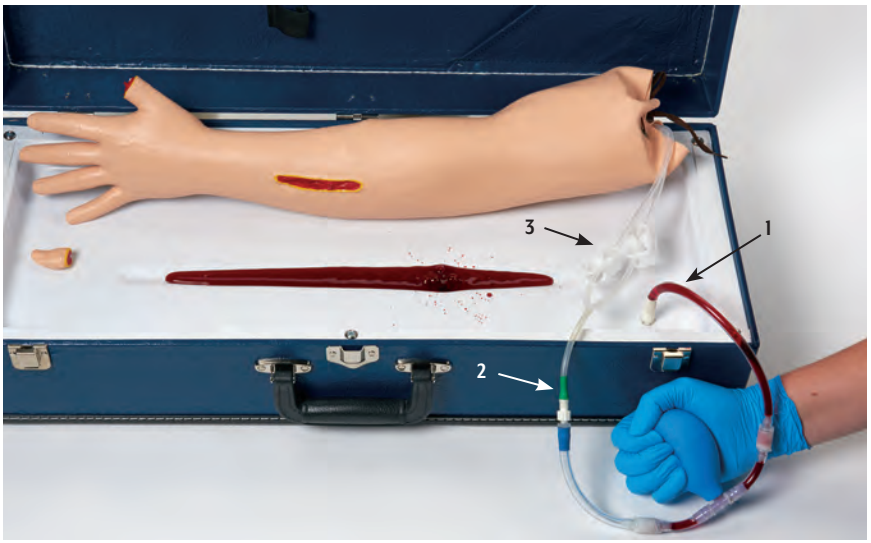
LIST OF COMPONENTS

- **A.** First Aid Arm with Arm Wound and Severed Thumb
- **B.** Artificial Blood Powder (Quart Bottle)
- **C.** Fluid Supply Bag with Yellow Color Coding and Luer Lock Connector
- **D.** Recovery Line Tubing with Red Color Coding and Luer Lock Connector
- **E.** Squeeze Bulb Tubing Assembly with Blue/White Color Coding and Luer Lock Connector
- **F.** Severed Thumb
- **G.** Carry Case
- **H.** Disposable Towels (2)

SET UP PROCEDURE FOR ARTERIAL BLEEDING

Note: Before filling the arterial system with synthetic blood, we highly recommend that you familiarize yourself with the simulator and the bulb pressure required to operate it using only plain, distilled water. Only slight pressure is necessary when pumping blood to the arterial wound sites.
Artificial blood will stain, so care should be taken with clothes and surfaces.

A. Prepare Artificial Blood
Fill the provided artificial blood container with distilled water. Tightly replace cap and gently shake bottle until blood powder is dissolved.



B. Fill Arterial System
Pour 4 oz. of artificial blood into the lower portion of the tray. Taking the squeeze bulb assembly, connect the white color-coded luer lock connector to the fitting on the tray's corner *(1)*. Twist gently to secure.

C. Connect to Training Arm
The artery tubing of the first aid arm is color-coded green. Attach the blue end of the squeeze bulb assembly to the green connector of the artery tubing *(2)*. Gently pumping the squeeze bulb will provide blood flow to the arterial system. Adjusting the flow control clamps on the artery tubing *(3)* will allow or stop blood flow at either site on the arm.

Figure 1

D. Ready for Use
Each time the bulb is squeezed, blood will be pumped through the wound site(s). Treatment for arterial bleeding can now be demonstrated and practiced.

E. Draining System
Remove blue connector from the green arterial line. Hold arm over tray with pinch clamps open and allow to drain into basin.

Place blue connector over a collection container and continue to squeeze bulb until all the artificial blood has been removed from the tray. *(See figure 1.)*

SET UP PROCEDURE FOR VENOUS BLEEDING

A. Set Up Fluid Supply Bag
Close the pinch clamp on the fluid supply bag before filling with artificial blood. *(See figure 2.)* Venous pressure is altered by varying the height of the supply bag. A height of 18" is sufficient for proper flow of blood through the system. Fluid supply stands are sold separately.

Figure 2

B. Attaching Fluid Supply Bag to Arm
Attach the yellow color-coded connector of the fluid supply bag to the green tubing connector of the arm *(A)*. Blood flow through veins can be altered using pinch clamps on the arm tubing *(B)*.

C. Attaching Recovery Line for Fluid Replacement
With the white color-coded connector of the squeeze bulb assembly attached to the tray *(C)*, attach the blue color-coded end to the recovery line with the red color-coded connector *(D)*. Place the open end of the recovery line into the top of the fluid supply bag above the blood level *(E)*. Open the pinch clamp on the fluid supply bag *(F)* and allow blood to pass through the system.

D. Fluid Flow from Wound Site
As fluid flows from the wound site and collects in the tray, squeeze the bulb to pump blood back into the fluid supply bag for a continuous flow through the system.

E. Ready for Use
The squeeze bulb must be pumped continuously in order to recover the artificial blood back into the supply bag.

F. Draining System
Close the pinch clamp on the fluid supply bag. Continue pumping squeeze bulb until artificial blood has been removed from the system and collected in the fluid supply bag.

Actual product may vary slightly from photo. Nasco reserves the right to change product color, materials, supplies, or function as needed.

CLEANING AND STORAGE

A. Flush System

Flush arm, tray, and tubing systems with fresh, distilled water. Using distilled water will reduce the risk of bacterial growth that can damage your simulator and void the warranty.

B. Reusing Artificial Blood

Artificial blood can be drained from the system and replaced into the provided bottle for reuse during the next immediate training session. Using distilled water and refrigerating after use will prolong the shelf life of artificial blood; however, care should be taken to avoid the use of water/blood mixture that has become dingy or discolored. It is recommended that artificial blood mixture not be stored for more than two weeks in order to avoid contamination which could damage your product and void your warranty. For best results, use fresh blood mixture for every training session.

C. Cleaning

Clean the surface of the arm, as well as the tray, with mild liquid detergent and water. Ensure all pinch clamps on tubing are open before storing. This will prevent kinks and damage to the tubing.

Stubborn stains may be removed using Nasco Cleaner (LF09919U, sold separately). Simply dispense the Nasco Cleaner to the stained area and wipe clean with a soft cloth.

Return all components, clean and dry, to case for storage.

CAUTIONS

DO NOT allow "blood" to dry on simulator — it may stain the skin.

DO NOT clean the simulator with solvents or corrosive material, as they will damage it.

DO NOT place simulator in contact with any printed paper or plastic. The ink will transfer and cause an indelible stain. Similar inks, such as ball-point pen will also cause an indelible stain.

DO NOT store the simulator with fluids inside or allow fluids to stagnate inside the simulator.

SUPPLIES/REPLACEMENT PARTS

LF00845U Artificial Blood Powder (Quart)
LF00846U Artificial Blood Powder (Gallon)
LF01022U Fluid Supply Stand
LF01130U Fluid Supply Bag (Yellow tape and luer lock fitting not included.)

Other Available Life/form Simulators

LF00795U Burn Simulation Kit
LF01095U Blood Pressure Simulator
LF03000U **CPARLENE®** Series
LF03595U Full Body "Airway Larry" with Electronic Monitoring, Memory, and Printer Unit
LF03596U Full Body "Airway Larry" with Light Controller
LF03740U Universal AED Trainer
LF03746U Compression Only **BASIC BUDDY®**, 5 Pack
LF03750U Bariatric CPR Manikin


LF00795U


LF01095U

LF03740U

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