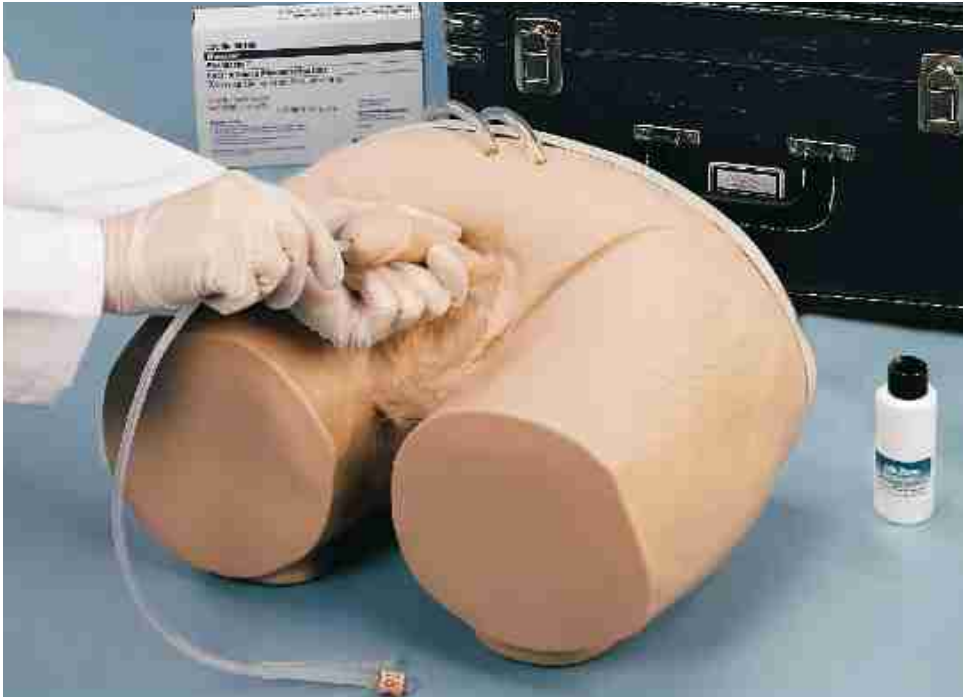


Nasco
Life/form®

**MALE CATHETERIZATION
SIMULATOR
LF00855U
INSTRUCTION MANUAL**



Life/form® Products by NASCO

About the Simulator...

The **Life/form**® Male Catheterization Simulator is designed to duplicate the human condition as closely as modern plastics technology allows. Care and treatment should be used since abuse or rough treatment will damage the simulator almost as it would injure or cause pain to a patient. With responsible care, the simulator will last for thousands of catheterizations.

NOTE: To avoid the possibility of leakage, make sure to use the 16 French Foley catheter supplied with the simulator.

List of Components

- **Life/form**® male catheterization simulator
- **Life/form**® simulator lubricant
- 16 French Foley catheter
- Administration unit

Internal Structure

- Simulated bladder
- Simulated mucosal folds
- Simulated bulbous urethra
- Simulator internal urethra sphincter

General Instructions for Use

Note: Administration unit is a modified enema bag.

A. To fill the administration unit (water reservoir):

1. Hang the administration unit 18" above the simulator. Use ring stand or similar device.
2. Close clamp on tube.
3. Spread opening at top of bag and fill container with DISTILLED WATER.
4. Press to close zipper. Start at one end, then continue along length of zipper.

B. To prepare simulator for catheterization:

1. Place the Male Catheterization Simulator on the bottom of the legs with the plastic top in an upright position. Place the drain tube in a water safe container.
2. Connect the quick-disconnect fittings of the administration unit. Check to be sure the Dura-Clamp on the drain tube is closed. (Fig. 1)

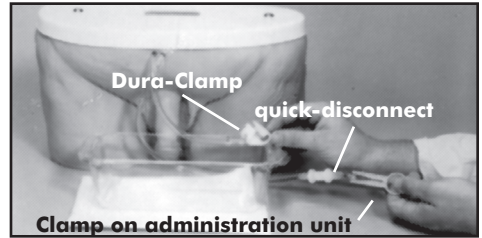


Figure 1

3. Open the clamp on the administration unit and the Dura-Clamp on the simulator drain tube.
4. Allow water to flow out of the simulator drain tube to be sure tubing is clear of any obstructions. Close Dura-Clamp. The system is now filled with water and pressurized.
5. Place simulator on its back for proper catheterization position.

C. Catheter selection:

1. Use only 16 French Foley catheters. The Male Catheterization Simulator is precisely engineered to provide the most lifelike experience possible. Use of the 16 French Foley catheter facilitates catheterization and helps minimize damage to the simulated urethra. Use of larger catheters results in unnecessarily difficult catheterization procedures. Use of smaller sizes will result in leakage around the catheter.

NOTE: Special care should be taken when using a Foley catheter. Cuff inflation should only be attempted when the catheter is in the proper position inside the bladder. Just as in a real patient, the cuff must be completely deflated before the catheter is removed. Improper use of a Foley catheter can result in damage to the simulator.

D. Lubrication:

1. Lubricate the simulator urethra and catheter liberally EVERY TIME a catheterization procedure is attempted. This provides maximum realism and minimizes damage to the urethra wall of the simulator.
2. Use only **Life/form**[®] simulator lubricant (LF00985U) or Ivory[™] liquid soap. Make NO OTHER substitutions. Even water-soluble lubricants such as K-Y Jelly tend to build up in the urethra over a period of time.
3. Initial use after long storage or heavy usage during a long class session will require heavy lubrication. Do this by inserting the lubricated catheter about half way, then remove and relubricate several times before inserting the catheter fully. This procedure facilitates a successful initial catheterization by students.

Catheterization Procedure

- A. Lubricate catheter by coating with **Life/form**[®] simulator lubricant or Ivory[™] liquid soap. (Fig. 2)



Figure 2

- B. Slowly insert the catheter about 2" into urethra with the penis in the normal hanging position until the restriction simulating the mucosal fold is encountered. (Fig. 3)



Figure 3

- C. Withdraw the catheter a little and stretch the penis slightly to straighten the blockage of the mucosal fold. (Fig. 4)



Figure 4

- D. Proceed by inserting the catheter another 2". You have now approached the bulbous urethra. Elevate the penis about 60° to straighten the urethra and proceed with the insertion. (Fig. 5)



Figure 5

E. The next restriction is the simulated sphincter entering the bladder. With experience, you will feel a “pop” as the catheter passes into the bladder. (Fig. 6) It will require about 12" of catheter. Continue insertion until water flows from the catheter.



Figure 6

Causes for Failure in Function

- Lack of sufficient lubrication – see General Instructions for Use>Lubrication
- Water does not flow even after proper insertion – check administration unit water level. If there is still no water, remove catheter and repressurize the system following General Instructions for Use>B. To prepare the simulator for catheterization.

Care of Simulator

Normal soil on the surface of the simulator can be removed with mild soap and warm water. Use REN cleaner (W09919U) to remove stubborn stains from simulator. Simply spray soiled area and wipe clean with cloth or paper towels.

Do not store simulator for extended periods of time with water in the unit. Before returning simulator to the case, drain as much liquid as possible from the bladder. To do this, place the simulator upright on the lid. Open the Dura-Clamp, then close the clamp on the administration unit and pull the quick-disconnect apart over a water safe container. (Fig. 7) Any residual water inside the simulator should drain

out through the quick-disconnect fitting. Dry all surfaces to prevent mildew formation while stored in the case.



Figure 7

Before storage, be sure to remove the catheter from the urethra. The lubricant can dry out and act as a mild adhesive if the catheter is left in place. This results in damage to the simulator when removed.

Cautions

Solvents or corrosive materials will damage the simulator. Never place the simulator on any kind of printed paper or plastic. These materials will transfer indelible stains. Ball point pens will also make indelible stains.

Supplies/Replacement Parts for Male Catheterization Simulator

LF00985U	Life/form [®] simulator lubricant
W09919U	REN cleaner
LF01127U	Foley urethral catheters, (pkg. of one)
LF01128U	Foley urethral catheters, (pkg. of 10)

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 Prompt**™ Adult/Child Manikin
LF06012U **CPR Prompt**™ Infant Manikin
LF06200U **CPR Prompt**™ Keychain Rescue Aid
LF06200U **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

www.eNASCO.com • E-mail: lifeform@eNASCO.com