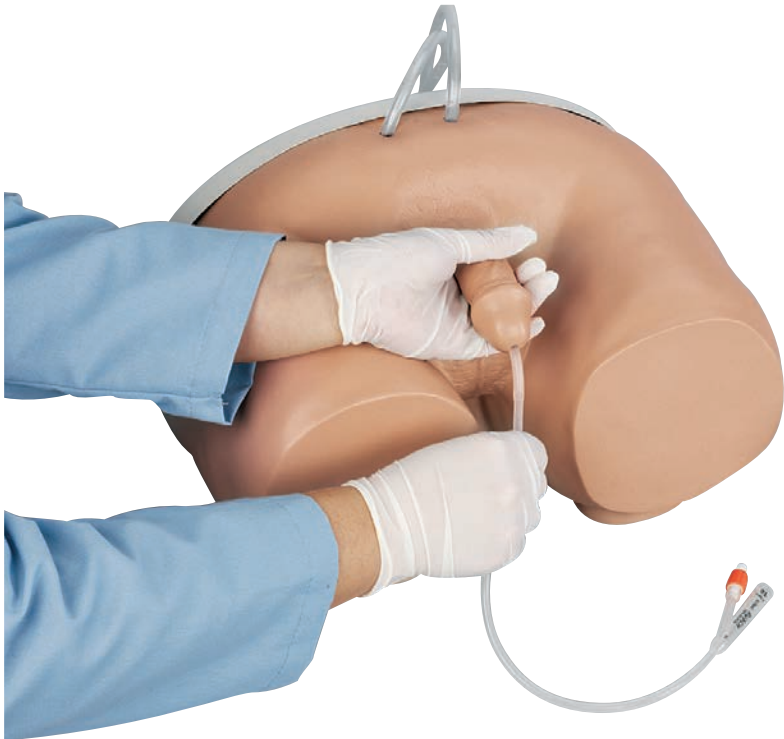




Male Catheterization Simulator LF00855U Instruction Manual

To view the complete manual in English, Spanish, German, French, Italian, and Portuguese, please go to eNasco.com/healthcare and click on "Instruction Manuals."



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 Silicone 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. (**See figure 1.**)

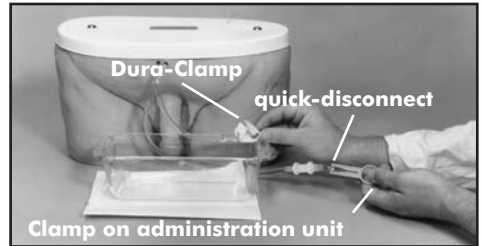


Figure 1

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 re-lubricate 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. (See figure 2.)



Figure 2



Figure 3

- 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. (See figure 3.)



Figure 4

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



Figure 5

- 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. (See figure 5.)



Figure 6

- 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. (**See figure 6.**) It will require about 12" of catheter. Continue insertion until water flows from the catheter.

Causes for Failure in Function

- Lack of sufficient lubrication — see [General Instructions for Use — D. 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 Simulator for Catheterization](#).

Care of Simulator

Normal soil on the surface of the simulator can be removed with mild soap and warm water. Use Nasco Cleaner (LF09919U) 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,

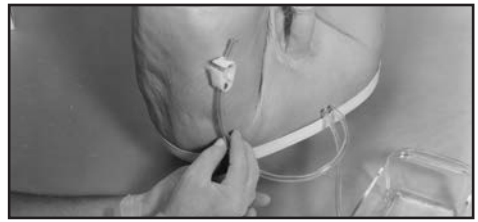


Figure 7

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. (**See figure 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.

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 Kit
- LF09919U** Nasco Cleaner
- LF01127U** Foley Urethral Catheters (pkg. of 1)
- LF01128U** Foley Urethral Catheters (pkg. of 10)

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
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- 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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**Female Catheterization
Simulator
LF00856U
Instruction Manual**



About the Simulator

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

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

List of Components

- Administration Unit
- Plastic Pad
- 16 French Foley Catheter
- **Life/form**® Lubricant Kit

General Instructions for Use

A. To Fill the Flexible Administration Unit (water reservoir)

Note: Administration unit is a modified enema bag.

1. Hang the flexible administration unit 18" above the simulator. Use ring stand or similar device.
2. Close clamp on tube.
3. Spread opening at top of bag, then 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. The Female Catheterization Simulator should be placed without the plastic pad in position. The pad will be used later. The legs should rest on a flat surface.
2. Hang the administration unit 18" above the simulator. Do not hang higher because the increased pressure can cause leakage.

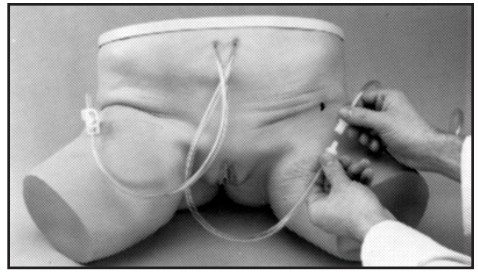


Figure 1

3. Connect the quick-disconnect fittings of the administration unit to the simulator. Check to be sure the Dura-Clamp® (drain) on the simulator is closed. (**See figure 1.**)
4. Open clamp on tube of administration unit.
5. Open Dura-Clamp® (drain) on simulator until distilled water flows out of plastic tubing. (**See figure 2.**) Close Dura-Clamp® (drain). The system is now full, pressurized, and ready to use.



Figure 2

6. Position the plastic pad between legs and under buttocks to allow the proper angle of the simulator for catheterization.

C. Catheter Selection

1. Use only 16 French Foley catheters. The Female 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 urethra of the catheterization simulator.

Use of larger catheters results in unnecessarily difficult catheterization procedures. Use of smaller catheters results in leakage around the catheter.

Note: Special care should be taken when using a Foley catheter. Cuff inflation should only be attempted when it 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 EACH 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**® Lubricant Kit (LF00985U) or Ivory® liquid detergent. 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.

How to Perform Catheterization on This Simulator

1. Lubricate catheter.
2. Slowly insert catheter through simulated sphincter. With experience, you will feel a “pop” as the catheter passes into the bladder. The simulator will require about 3½" of catheter. Continue insertion until water flows from catheter.

Care of Simulator

Normal soil accumulated on the surface of the simulator can be removed with mild soap and lukewarm water. Use Nasco Cleaner (LF09919U) to remove stubborn stains from simulator. Simply spray soiled area and wipe clean with a soft cloth or paper towels.

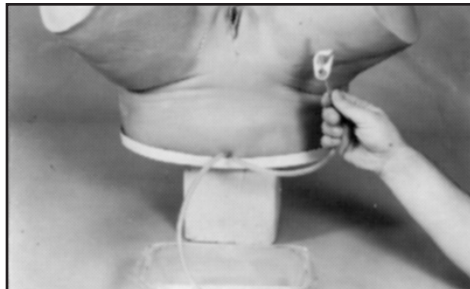


Figure 3

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, open the Dura-Clamp® (drain), holding it upside down and high in the air. Then close the clamp on the administration unit and pull the quick-disconnect fittings apart over a tray. (**See figure 3.**) Dry all surfaces to prevent mildew formation in the case.

Remove the catheter from the urethra after using. If catheter is left in, the lubricant will dry out and act as a mild adhesive. This results in damage when the catheter is finally removed.

Cautions

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

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