

Femoral Access Simulator

Directions for Use





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The Femoral Access Simulator is a lifelike manikin pelvis, which realistically simulates that of a patient. It is specifically designed for training professionals in the practice of accessing the femoral artery and vein.

As a result of quality construction and the ease of replacing individual parts, this simulator should provide many years of training when reasonable care and maintenance is practiced.

Items Included:

- (1) Femoral Access Simulator
- (5) Syringes
- (3) IV Bags with hoses and clamps
- (1) Bottle of blue blood concentrate
- (1) Bottle of red blood concentrate
- (1) Manikin Lubricant
- (1) Carrying

Features:

- Pubis
- Inguinal Ligament
- Anterior Superior Iliac Spine
- Palpable Arterial Pulse
- Realistic blue/red blood flashback

Skill Taught:

Femoral access procedures

Laerdal Recommends

In order to prolong the life of the skin and tubing, we recommend the use of a 21-gauge syringe or SMALLER even though you will use a 14 or 16 gauge syringe in the field.

When using a cannula for catheterization, wet with a small amount of manikin lubricant or liquid soap for easier insertion

Do not remove the skin until you have the model over

Preparing simulator for use:

Attaching IV bag sets:

1. Attach flip top lids to blood concentrate bottles.
2. Open the valve clamp on the IV tube.
3. Squirt a small amount of blood concentrate, approximately 10 drops, into tubing. (Figure 1)
4. Apply blue blood concentrate to two IV bag sets, and red blood concentrate to the remaining IV bag set.
5. Fill each bag and hose with water
6. Close the valve clamps.
7. Attach the hose to the appropriate tube on the model. (Figure 2).

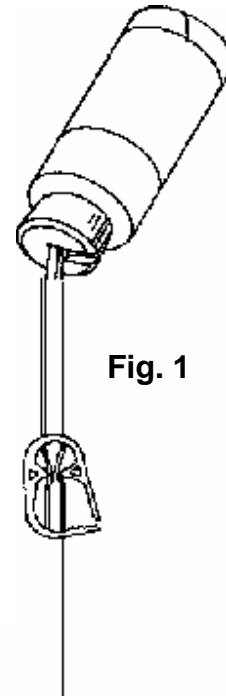
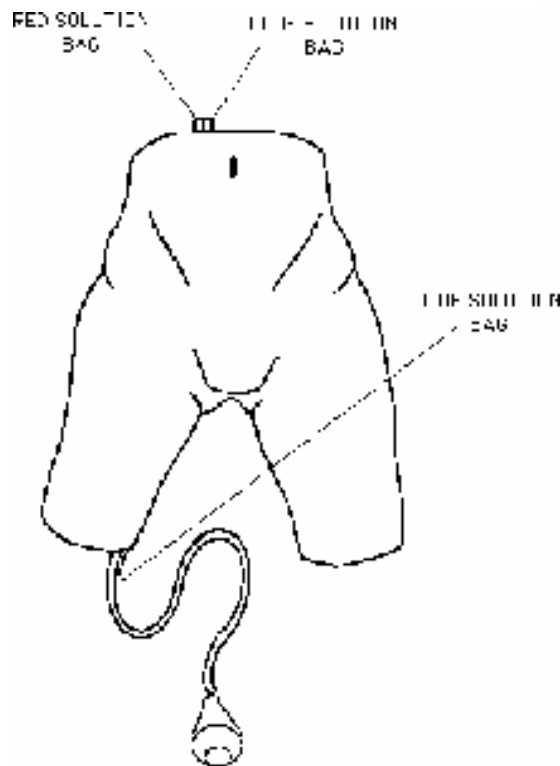


Fig. 2



The blue filled set attaches to the femoral vein. The red filled set attaches to the femoral artery.

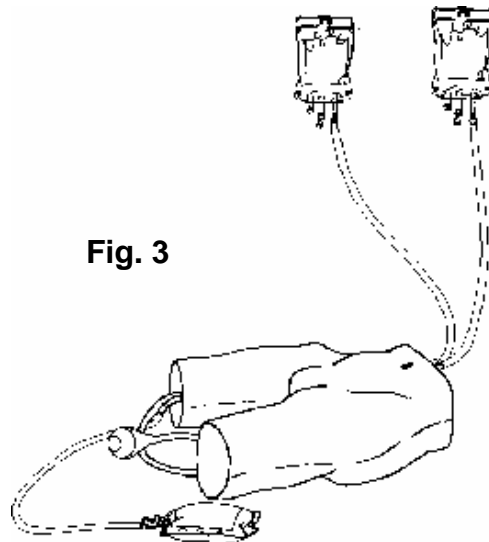
Femoral Artery:

1. Open the valve clamp on the red (arterial) IV bag set.
2. Wait for the fluid to flash out of the end of the tubing located at the base of the right thigh.
3. While squeezing the bulb, open the valve clamp on the bag, release the bulb, and close the valve clamp. This will force the residual air into the upper IV bag.

The squeeze bulb is your hand generator for femoral pulse.

Femoral Vein:

1. Open both venous valve clamps, squeezing the residual air into the upper IV bag.
2. Wait for fluid to flash out of the end of the tubing located at the top of the simulator.
3. Close both of the valve clamps. (Figure 3)



Repair and Replacement:

Replacing the tubing

1. Drain all fluids from the simulated femoral artery and vein over a sink.
2. Disconnect all IV bag sets and syringe bulb, and close valve clamps.
3. Detach the Velcro® on the skin from the Velcro® on the mandrel.
4. Remove the skin from the mandrel. (Figure 4)

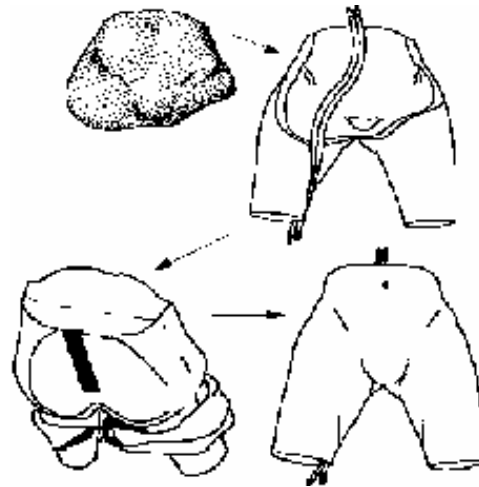


Fig. 4

5. Remove the foam insert and used tubing.
NOTE: The tubing is glued in place.
6. Tack glue new tubes into the tracks with adhesive. (Figure 5)

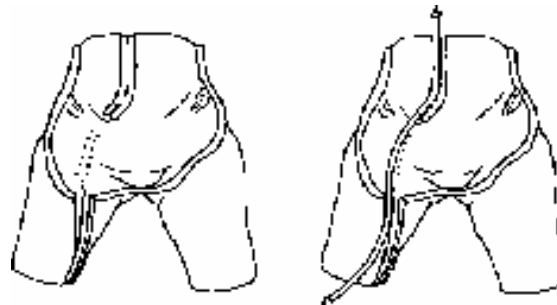


Fig. 5

7. Replace the foam.
8. Replace the skin and secure Velcro® to the mandrel. NOTE: To assist you in replacing the skin, we recommend the use of talcum powder.
9. Dust the inside of the skin lightly and slide onto the mandrel.

Care and Maintenance:

1. Clean with mild soap and water; do not submerge manikin/module or parts in cleaning fluids or water.
2. Use only on clean surface. Avoid felt tipped markers, ink pens, acetone, iodine or other staining products and avoid placing the module/manikin on newsprint or inked lines of any kind.
3. To ensure longevity, each manikin and module should be cleaned after each training session and a general inspection should be conducted regularly.
4. Modules and all other parts should be drained and air-dried thoroughly before storage and disinfected when needed. After use of injection pads (*use water only*), accumulated water should be squeezed out. **Do not store wet foam pads in the skin.** To prevent mildew or mold, pads can be soaked in a mild solution of disinfectant and water or bleach and water. Squeeze excess solution from pads, allow them to dry, then store or reinsert in manikin.
5. Articulating parts will benefit from a light application of talcum powder prior to training sessions.
6. Store properly between teaching sessions.

Warranty

Laerdal Medical warrants to the purchaser that its products are free from defects in material and workmanship for a period of one (1) year from the date of purchase by the original user. During the designated one (1) year period, Laerdal Medical will, upon receipt of a product found to be defective due to materials or workmanship from the purchaser and notification in writing of the defect, at its option repair or replace any

parts found to be defective or the entire product. Warranty period does not renew with replacement or repair of original product.

Products found to be defective and notification of defects may also be sent to the authorized Laerdal Medical dealer from whom the product was purchased. All postage, shipping or handling charges shall be the sole responsibility of the purchaser.

Laerdal Medical is responsible for the effects of safety, reliability and performance of its product(s) only if:

- service, repair, readjustment or modification is carried out by Laerdal Medical or persons authorized by Laerdal Medical.
- the electrical installation of the room where the product is used complies with pertinent equipment requirements.
- the product is used in the proper manner in strict compliance with its Directions for Use.

Laerdal Medical shall not be liable under this warranty for incidental or consequential damages, or in the event any unauthorized repairs or modifications have been made or attempted, or when the product, or any part thereof, has been damaged by accident, misuse or abuse. This warranty does not cover batteries, fuses, normal wear and tear, excessive use, staining, discoloration or other cosmetic irregularity which does not impede or degrade product performance.

Some states in the USA do not allow the exclusion or limitation of incidental or consequential damages, so those limitations or exclusions may not apply to you.

There are no other express or implied warranties, whether of merchantability, fitness or purpose, or otherwise, on the product, its parts and accessories.

Replacement Parts:

Part Number:

1000296

Access

1000294

1000295

Access

1001404

Access

1001405

Assembly

Femoral

Access

1205-15-0001

Valve

9500-02-0011

Red

1001403

1000298

(set of 5)

1000722

Concentrate

4oz Red

1001322

Concentrate

4oz Blue

1001301

x

1205-03-0003

Reducer,

Barbed ¼ to

5/32

1000262

Description:

Mandrel,

Femoral

Skin, Femoral
Access

Insert, Foam –
Femoral

Artery
Assembly –
Femoral

Vein

–

Clamp,
½"

Bulb,
Syringe

Bag, Solution
Syringe, 3cc –
21 ga

Simulated
Blood,

Simulated
Blood,

Tubing, 3/8_{o.D}
¼_{1.D} X 36 long

Manikin
Lubricant



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