

# Multi-Venous Access Arm Kit

Directions for Use





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The Multi-Venous Access Arm Kit is a full-size lifelike arm, which realistically simulates that of a patient. It is specifically designed for training professionals in the practice of venipuncture.

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

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**Laerdal Recommends:**

Needle or Catheter – Size 21-gauge or smaller

When using a catheter or other venipuncture device, lubricate them with lubricant spray for easier insertion.

**Items Included:**

- (1) Multi-Venous Access Arm
- (5) Syringes
- (1) IV bag with hose and clamp
- (1) Replacement arm skin
- (1) Replacement multi-vein
- (1) Bottle of simulated red blood concentrate
- (1) Manikin Lubricant Spray
- (1) Carry Case

**Skills Taught:**

- Adult venipuncture

**Anatomy Represented:**

- Dorsal veins of hand (3)
- Cephalic
- Median
- Basilic
- Antecubital

**Instructions for Use:**

1. Attach IV tubing to either vein.
2. Allow fluid to flow through arm and out other end of latex vein.
3. Clamp off flow of fluid.

Simulator is now ready to practice venipuncture.

**Laerdal Recommends:**

We recommend nothing larger than a 21-gauge needle. This will extend life of skin and veins.

When using a catheter or other venipuncture devices, lubricate them with lubricant spray for easier insertion.

## Replacing Skin and Veins:

### Laerdal Recommends

When excessive leaking occurs at the puncture sites, either a new vein or skin should be installed to reduce loss of fluid.

We recommend working at a sink when replacing skin and

#### Replacing skin:

1. Cut off skin. This can be done with a sharp knife or scalpel. (Figure 1)
2. Discard skin.

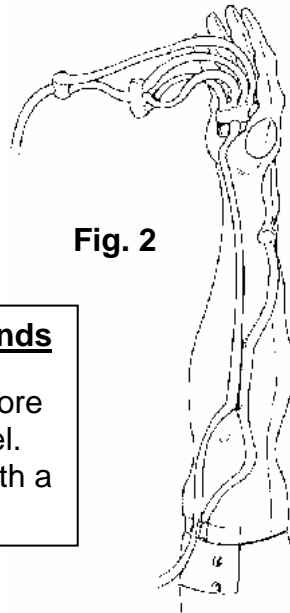
Fig. 1



#### Replacing veins: (Keeping skin)

1. Lubricate inside of skin with liquid detergent; let it flow down into the finger area.
2. Begin at top of arm and slowly pull skin down and off of arm. **Do not roll, as that will cause skin to bind.** Thumb will detach with skin.
3. Remove tubing from track in mandrel. Glue may need to be scraped away to allow removal.
4. Rinse and dry vein grooves well and swab with alcohol. Be sure to remove any excess glue.
5. Place new veins along grooves, (Figure 2) spot gluing as needed. (We recommend a fast drying glue.)
6. Generously lather arm mandrel with liquid soap.

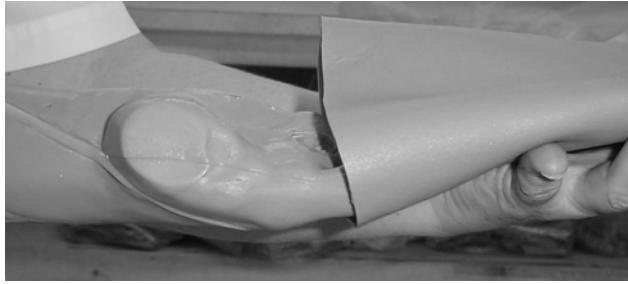
Fig. 2



### Laerdal Recommends

Heat arms skins before replacing on mandrel. This can be done with a blow-dryer.

7. Slide hand into skin. (Photo 1)



**Photo 1**

8. Work skin over fingers, as with a glove. (Photo 2)



**Photo 2**

9. Work arm skin up, over mandrel. (Photos 3 & 4.)



**Photo 3**



**Photo 4**

### **Care and Maintenance:**

1. Clean with mild soap and water; do not submerge trainer 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 manikin on newsprint or inked lines of any kind.
3. To ensure longevity, each trainer 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.
5. Articulating parts will benefit from a light application of talcum powder prior to training sessions.
6. Store properly between teaching sessions.

### **Warranty**

Laerdal 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 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 dealer from whom the product was purchased. All postage, shipping or handling charges shall be the sole responsibility of the purchaser.

Laerdal 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 or persons authorized by Laerdal.
- 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 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.



#### **Cautions and Warnings**

This product contains **Natural Rubber** latex which may cause allergic reactions when in contact with humans.

## Replacement Parts:

<b><u>Part Number:</u></b>	<b><u>Description:</u></b>
380700	Right Multi-Venous IV Arm
312029	Skin & Multi-Vein Kit
381402	Adult Deltoid Pad
300-00750	Blood Concentrate
TK-1003	Transfer Set Tubing
1004492	Arm Attachment Hardware Set
1002961	IV Bag with Tubing Transfer Set
300-00650	Manikin Lubricant Spray
CC-0014	Carry Case

Please contact Customer Service Representatives for more information on Replacement Parts in other skin tones

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