

# Adult IV Training Arm Kit

## Directions for Use



**Laerdal**<sup>™</sup>  
helping save lives

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The Adult IV Training 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 and injection in the dorsum of the hand and the antecubital area.

The manufacturing quality of this simulator should provide many sessions of training when reasonable care and maintenance are practiced.

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**Laerdal Recommends:**

- We recommend nothing larger than a 21-gauge needle. This will extend the life of the skin and veins.
- When using a catheter, lubricate it with manikin lubricant for easier insertion.

**Items Included:**

- (1) Arm with Replaceable Skin and Veins
- (1) Set of Replacement Skin and Veins
- (1) Blood Bag
- (1) Tubing with Connector
- (1) Clamp and Hook
- (5) Syringes
- (1) 4oz Bottle of Simulated Blood Concentrate
- (1) Carry Case

**Skills Taught:**

- Venous access at antecubital area and dorsum of the hand
- Deltoid injection pad for subcutaneous and intramuscular injections

**Instructor Notes:**

### Instructions for use:

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

The simulator is now ready to practice venipuncture.

#### Laerdal Recommends

We recommend nothing larger than a 21-gauge needle. This will extend the life of the skin and veins. When using a catheter, wet with manikin lubricant or liquid soap 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. (Figure1)
2. Discard skin.

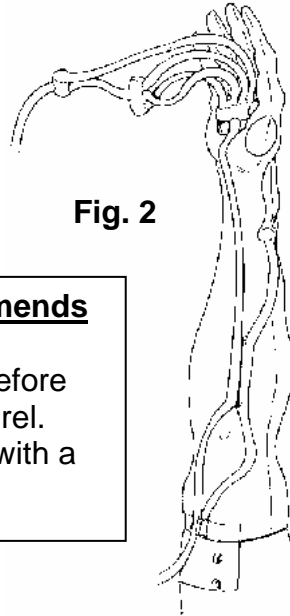
#### Replacing veins: (Keeping skin)

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.

Fig.  
4



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 fast drying glue.)
6. Generously lather arm mandrel with liquid soap. and water combined.

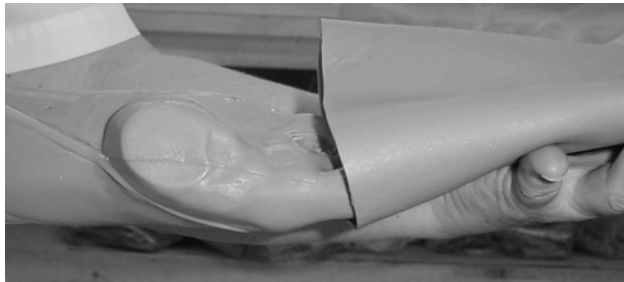


**Fig. 2**

**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**

### **Laerdal Recommends**

- The veins are made from tough, industrial tubing; however, they will leak when put under unusually high pressure. Normal infusion from standard fluid administration procedures will not produce undue pressure.
- When kept in a closed bag or box, the plastic used to manufacture this product emits fumes that may be somewhat offensive to some people and may be particularly noticeable when the package is first opened. These fumes rapidly dissipate and will not be noticeable.

### **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.

**Replacement Parts:**

Product Number:

1000375

1000692

1001804

1000191

Description:

Adult IV Arm Mandrel

Vein Tubing

Adult Standard IV

Arm Skin w/ Thumb

Adult Deltoid Pad

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

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