

# Arterial Stick Arm Kit

## Directions for Use



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



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The Arterial Stick Arm Kit (375-80001) consists of a full-size, lifelike adult right arm with replaceable skin and arteries. It is specifically designed for training professionals in the drawing of arterial blood samples for monitoring blood gases.

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

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**Items Included:**

- (1) Arterial Stick Arm
- (1) Replacement Skin and Arteries
- (1) Pulse Simulator
- (5) Syringes
- (1) Bottle of Blood Concentrate
- (1) Bottle of Manikin Lubricant
- (1) Hard Carry Case
- (1) Laerdal Global Warranty Booklet
- (1) Directions for Use

**Skills Taught:**

- Proper procedure for obtaining ABG – Arterial Blood Gases

## Preparing the Simulator for Use:

1. Remove pulse generator (red syringe bulb) and fill with water. Blood concentrate can also be added.
2. Attach filled pulse generator onto one end of arterial tubing.
3. Allow fluid to flow through arm.
4. Place arm in horizontal position with palm up.
5. Flex the wrist for accurate positioning to perform the radial arterial stick.
6. Squeeze the pulse generator for palpating a radial or brachial arterial pulse.
7. Perform the arterial stick.

## Replacing Skin and Arteries:

### Laerdal Recommends

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

We recommend working at a sink when replacing skin and arteries.

### Replacing skin:

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

Fig. I



### Replacing arteries: (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.** (Hand may detach with skin, but can be replaced by taking the 2 ¼ peg out of mandrel. Put the two-piece hand together and put back in mandrel. Put peg back through hole to connect hand and mandrel.)
3. Remove tubing from track in mandrel. Glue may need to be scraped away to allow removal.
4. Rinse and dry artery grooves well and swab with alcohol. Be sure to remove any excess glue.
5. Place new arteries along grooves, spot gluing as needed. (We recommend fast-drying glue.)

6. Generously lather arm mandrel with liquid soap and water combined.

**Laerdal Recommends**

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

7. Slide hand into skin.
8. Work skin over fingers, as with a glove. (Photo 1)



**Photo 1**

9. Work arm skin up, over mandrel. (Photos 2 & 3)



**Photo 2**



**Photo 3**

## 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.
  1. Modules and all other parts should be drained and air-dried thoroughly before storage and disinfected when needed.
  2. Articulating parts will benefit from a light application of talcum powder prior to training sessions.
  3. Store properly between teaching sessions.



### Cautions and Warnings

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

## Replacement Parts:

### Product Number:

375-81001

375-80150

300-00650

270-00350

300-00750

200-02350

### Description:

Arterial Stick Arm

Skin & Artery

Replacement Kit

Manikin Lubricant

Hard Carrying Case

Blood Concentrate

Hardware Set

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

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