

# Arterial Stick Arm

**375-81001**  
(ASA-1000)

Directions for Use



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



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The Arterial Stick Arm is 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 simulator should provide many sessions of training when reasonable care and maintenance are practiced.

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**Laerdal Recommends:**

Arterial sticks - 21 gauge needle or smaller

**Items Included:**

- (1) Arterial Stick Arm
- (1) Pulse Simulator

**Skill Taught:**

Proper procedure for obtaining ABG – Arterial Blood Gases

**Preparing Simulator for Use:**

1. Remove pulse generator (red syringe bulb).
2. Fill with water. (Blood Concentrate is available for purchase from Laerdal.)
3. Attach filled pulse generator on one end of arterial tubing.
4. Allow fluid to flow through arm and out other arterial tubing.
5. Place arm in horizontal position with palm up.
6. Flex wrist for accurate positioning to perform radial arterial stick.
7. Squeeze pulse generator for palpating a radial or brachial arterial pulse.
8. Perform arterial stick.

**Laerdal Recommends**

In order to prolong life of skin and tubing, we recommend using a 21-gauge needle or smaller.

## Replacing Skin and Arteries:

### Laerdal Recommends

When excessive leaking occurs at the puncture sites, either a new skin or arteries 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 1)
2. Discard skin.

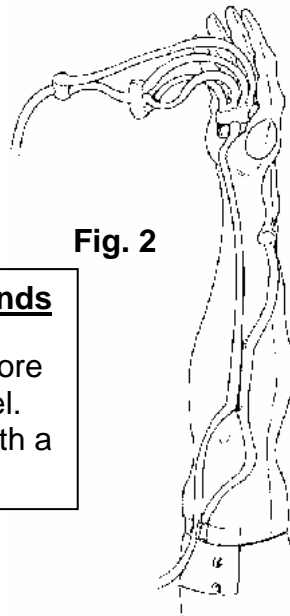
Fig. 1



### 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.** 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 grooves well and swab with alcohol. Be sure to remove any excess glue.
5. Place new arteries along grooves, (Figure 2) spot gluing as needed. (We recommend a fast drying glue.)
6. Generously lather arm mandrel with liquid soap.

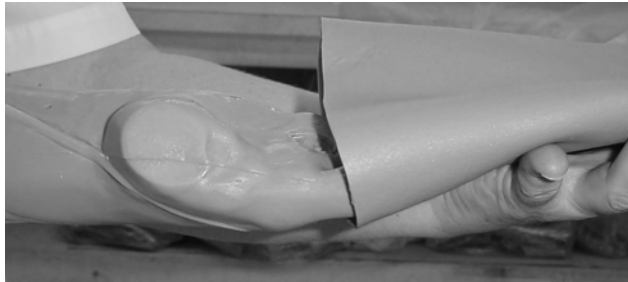
Fig. 2



### 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**

### **Laerdal Recommends:**

This product has been designed with drain holes throughout arterial puncture sites. Fluid that escapes from punctures will collect inside arm. Opening plug at top of arm can drain this fluid.

If using blood concentrate, flush arterial tubing with clear water prior to storing arm between training sessions. It is not necessary to remove skin and arteries after use. Wipe off excess moisture and allow to air dry to prevent odors.

### **Care and Maintenance:**

1. Clean with mild soap and water; do not submerge 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, 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:**

### **Product Number:**

### **Description:**

1000293

Pulse Simulator  
Assembly

1000840

Arm Drain Plug

1000191

Deltoid Pad

1000499

Artery Tubing

1000376

Arm Skin

1000711

Skin & Artery Kit

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

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