

# CAE

Healthcare

# CAE Medicor User Guide

Stopping the Bleed Arm



## Disclaimer

This product is a simulation device designed for training and demonstration purposes only.

## Proprietary Notice

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# Cautions and Warnings

Read this user guide, including all cautions and warnings, before you use your CAE Medicor™ skills training model. Use this product only as described in this guide. If you use it incorrectly, it may be unsafe and will void your warranty. Keep this information for future reference.

## General Precautions

- Do only the procedures supported by the model as described in this user guide.
- Do not use or store scissors, scalpels, needles, box-cutters, or other sharp objects with the model.
- Do not pull on the model skin. This can cause the skin to tear.
- Do not expose the model to sunlight for prolonged periods.
- Do not use or store the model near a heat source.
- Avoid contact with materials that can discolor the model.
- Do not use chemical solvents on the models.
- Clean the model with water and a light soap solution only. Do not immerse or use large amounts of liquid to wash it.

## Latex Statement

- Currently, CAE Medicor products with tubing contain latex. Solutions to remove latex from our product line are in development.
- Users with latex sensitivity should use caution when replacing tubing.
- Please refer to the specific product details for information on additional latex components.

## Fluids

- Use only fluid solutions made with CAE Medicor powders in our products. Do not substitute any other fluid and use fluid only as directed.
- Do not modify fluid reservoirs or any other product component.
- Wear gloves when using simulated blood fluid. It will stain skin and clothes.
- Protect your eyes, skin, and clothing against accidental fluid exposure. The Material Safety Data Sheet (MSDS) is available on the CAE Healthcare website.
  - May irritate eyes or skin; flush well with water.
  - May contain pigments that stain clothing; wash immediately with cold soapy water.
- Fluids are not intended for human consumption. If accidental ingestion occurs, drink a glass of water and consult a physician.

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# Introduction

This user guide describes the features, use, and care of the following skills training model:

- CAE Medicor Stopping the Bleed Arm

This training model is intended as a platform for the practice of applying a tourniquet to stop severe bleeding.



**CAE Medicor Stopping the Bleed Arm**

## Anatomy

The Stopping the Bleed Arm is constructed with realistic CAE MedicSkin™ and is offered in three different skin tones.

The anatomy of this model includes:

- Forearm laceration
- Upper arm laceration

The model has tubes that have a female Luer lock connector to work with equipment that has a male Luer lock connector. The tubes are used to supply the wounds with simulated blood fluid. Users must infuse fluid to prepare the model for use. More information can be found in the *Fluid Setup* section of this guide.

## Equipment Overview

The following items are included with your shipment:

- Stopping the Bleed Arm model
- Two fluid bags with tubing
- Simulated blood powder

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The following additional items are required for training but not included in your purchase:

- Distilled water
- Tourniquet
- Procedure equipment per local protocol

Optional accessories or consumables for your model are available to purchase on the CAE website:

- Replacement fluid bags
- Simulated blood powder packets



# Using the Training Model

This section has information and instructions about the setup and use of the skills training model and any specific procedures.

## Setup

Follow the guidelines below to unpack and set up your CAE Medicor training model:

1. Open the shipping carton:
  - Use extreme caution with sharp tools, such as a box cutter, to avoid damage to the training model or any accessories.
2. Unpack the equipment:
  - Remove the training model from its shipping container.
  - Review the equipment, accessories, and supplies. See the *Equipment Overview* section of this user guide for a list of items included with this model.
3. Set up the skills training model:
  - Place the model palm facing up on a stable table or other work surface.
  - Place the model on smooth surfaces only. Rough or uneven surfaces can leave impressions on the skin and damage the model.

## Fluid Setup

To begin, mix the simulated blood fluid:

1. Measure 500 mL of distilled water.
2. Check that the clamps are securely closed on the fluid bags.
3. Open the lid of one fluid bag (included) and pour in the measured distilled water.
4. Add one packet of simulated blood powder to the distilled water.
5. Close the lid of the fluid bag securely and shake for approximately 30 seconds or until the blood powder is completely dissolved and no particles are visible.

Note: The simulated blood fluid can be reused for up to two months.

6. Repeat with the second fluid bag.

To complete the setup:

1. Hang the filled bags on an IV pole or support 12 inches (30 cm) above the training model that enables the use of the integrated dropper in the tubing.

Note: The bags must remain elevated throughout the training session.

## Using the Training Model

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2. Connect the fluid bags to the two connector tubes on the training model.
3. Start the fluid flow by opening the clamps on one or both of the fluid bag tubes. This will depend on whether you want both wounds to bleed at the same time, or one at a time:
  - a. The connector on the lateral (thumb) side of the arm leads to the forearm wound.
  - b. The connector on the medial (pinky) side of the arm leads to the bicep wound.

To add realism and simulate an arterial bleed, this skills trainer can accommodate the optional addition of two compatible automatic pumps (not included). Connect each hanging fluid bag to a pump input, and each arm connector tube to a pump output.

## Training

Our products are essential practical components to complement and enhance your training curriculum and provide a realistic simulation experience to practice the psychomotor skills needed for various procedures.

## Stopping the Bleed Procedure

CAE Medicor products do not teach procedures or techniques. Use your normal protocol and equipment, and follow your institution's policies and guidelines.

# Care and Maintenance

With proper care, your training model will remain in optimal condition and ready for use.

## Storage and Transport

Follow these guidelines to properly store or transport your model:

- Storage temperature degree range: 64 – 77 °F (18 – 25 °C)
- Store in a dry location protected from dust and direct contact with sunlight.
- Do not store in contact with other training models or hard objects as the pressure can damage the CAE MedicSkin tissue. Do not stack multiple training models on top of each other.
- Transport the model securely so it does not fall.
- Do not carry by the tubes or use them as handles as this will damage the model.

## Cleaning

To maximize the lifespan of the product, clean the product thoroughly after each use and before storage.

Note: You must flush the simulated blood fluid from the internal tubing after each training use to avoid product damage.

To clean the exterior:

1. Mix one cup of tap water with ¼ teaspoon of mild liquid soap (such as dish soap).
2. Gently clean the exterior with the soap mixture and a soft, non-abrasive sponge or cloth.
3. Rinse lightly with clean water.
4. Dab or pat with a clean, soft, lint-free cloth to dry the product after cleaning. Do not wipe or rub the skin, which can damage it.
5. Make sure the model is completely dry for storage.

To flush and clean the internal tubing:

1. Close all the clamps.
2. Disconnect the blood fluid bag(s) from the skills trainer.
3. Close the clamp on a separate fluid bag and fill with distilled water.
4. Connect the separate fluid bag to a connector tube of the arm. Flush one tube at a time, or connect two fluid bags with distilled water to flush both tubes at the same time.
5. Place the arm in a sink or large container.
6. Open the clamps to all tubing.

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7. Let the distilled water flow through the arm and into the container until the fluid flow stops.
8. Close the clamps on all tubing.
9. Repeat steps 3 through 8 until the fluid runs clear into the container.
10. Disconnect the separate fluid bag(s) from the arm.

## Help and Technical Assistance

For assistance, contact CAE Customer Support. Contact information for all regions is available on the back cover of this guide and on the CAE Healthcare website.



## Healthcare

For more information about CAE products, contact your regional sales manager or the CAE distributor in your country, or visit [caehealthcare.com](http://caehealthcare.com).

Tel +1941-377-5562 or 866-233-6384

For customer support, please contact CAE.

Customer Support Headquarters - United States

Monday - Friday from 7:00 a.m. to 6:00 p.m. ET

Phone 1-866-462-7920

Email: [srqcustomerservice@cae.com](mailto:srqcustomerservice@cae.com)

Customer Support - Canada

Monday - Friday from 8:00 a.m. to 5:00 p.m. ET

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Customer Support - Europe, Middle East, and Africa

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