

CAE

Healthcare

CAE Medicor User Guide

Infant Foot for Blood Sampling



Disclaimer

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

Proprietary Notice

This document, including the information contained herein, is confidential and/or proprietary to CAE Inc., and shall not be reproduced or disclosed in whole or in part, or used for any purpose whatsoever without the prior written authorization of CAE Inc.

Trademark Information

Trademarks and/or registered trademarks of CAE Healthcare Inc. and/or its affiliates include but are not limited to: Apollo, Ares, AresAR, Aria, Athena, BabySIM, BluePhantom, Caesar, CathLabVR, EndoVR, HPS, ICCU, InfantSIM, iStan, Juno, LapVR, LearningSpace, Lucina, LucinaAR, Luna, Maestro, Medicor, METIman, Müse, NeuroVR, PediaSIM, SimEquip, Simulex, StethoSym, SymDefib, SymEyes, UniSIM, Vimedix, VimedixAR and Vivo. All other brands and product names are trademarks or registered trademarks of their respective owners. All logos, tradenames and trademarks referred to and used herein remain the property of their respective owners and may not be used, changed, copied, altered, or quoted without the written consent of the respective owner. All rights reserved.

Contents

Cautions and Warnings.....	1
General Precautions.....	1
Fluids.....	1
Introduction.....	3
Anatomy.....	3
Equipment Overview.....	3
Using the Training Model.....	5
Setup.....	5
Fluid Setup.....	5
Training.....	6
Newborn Blood Sampling Procedure.....	6
Care and Maintenance.....	9
Storage and Transport.....	9
Cleaning.....	9
Help and Technical Assistance.....	10

THIS PAGE INTENTIONALLY LEFT BLANK

Cautions and Warnings

Read this user guide, including all cautions and warnings, before you use your CAE Medicor™ model. Use 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 sharp objects such as scissors, scalpels, needles or box-cutters 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.

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.

THIS PAGE INTENTIONALLY LEFT BLANK

Introduction

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

- CAE Medicor Infant Foot for Blood Sampling

This model is intended as a platform for the practice of blood extraction for newborn blood sampling.



CAE Medicor Infant Foot for Blood Sampling

Anatomy

The Infant Foot for Blood Sampling model is constructed with realistic CAE MedicSkin™ and is offered in three different skin tones. It has an internal blood reservoir that must be filled with simulated blood fluid before use. For instructions to make simulated blood fluid and fill the foot, see the *Fluid Setup* section of this guide.

The anatomy of this model includes:

- Newborn lower calf and complete foot

Equipment Overview

The following items are included with your shipment:

- Infant Foot for Blood Sampling model
- Simulated blood powder

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

- Distilled water

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

- Simulated blood powder

THIS PAGE INTENTIONALLY LEFT BLANK

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 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 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 on a very stable table or similar work surface.
 - Place the model on smooth surfaces only. Rough or uneven surfaces can leave impressions on the skin and damage the model.

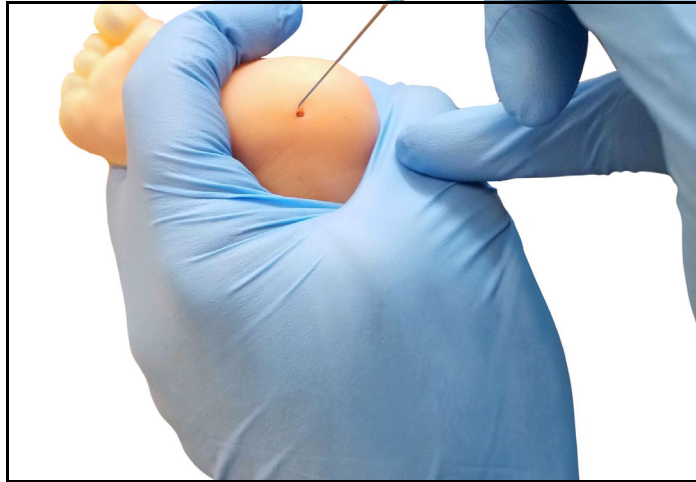
Fluid Setup

To begin, mix the simulated blood fluid:

1. Put simulated blood powder into the included bottle.
2. Fill the bottle with 20 mL of distilled water.
3. Close the bottle tightly to avoid any leakage.
4. Shake the bottle vigorously for approximately 30 seconds.
5. Let the bottle stand for 5 minutes. The solution should now have a viscous consistency and is ready for use.

To complete the setup, fill the blood reservoir with simulated blood fluid:

1. Uncap the needle on the bottle of prepared simulated blood fluid.
2. Find the red dot on the heel of the infant foot, which marks the access point of the reservoir.
3. Slowly insert the needle into the dot. Maintain a 45° angle.
4. Gently squeeze the heel of the infant foot to expel any air.



Filling Blood Reservoir

4. Apply light pressure to the bottle to inject the simulated blood fluid.
5. Repeat steps 4 and 5 until the blood reservoir is full.
6. Rinse the filling bottle and needle cap with tap water to clean. Let air-dry before storage.

⚠ CAUTION

Do not overfill the reservoir. This can cause leakage during normal handling and use.

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.

Newborn Blood Sampling Procedure

⚠ CAUTION

Do not cut, stick, or puncture the training model when performing a blood sampling procedure. The purpose of this skills trainer is to practice blood extraction only.

CAE Medcor products do not teach procedures or techniques. Refer to your institution or training program for more information.

To practice blood sampling, gently squeeze the heel of the foot to extract a blood droplet.



Extracting a Blood Droplet

You can extract approximately 20-25 droplets before you must refill the internal blood reservoir. To refill, use the procedure in the *Fluid Setup* section of this guide.

THIS PAGE INTENTIONALLY LEFT BLANK

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.
- Support the models properly to transport them.

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 reservoir 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 reservoir:

1. Gently squeeze out the remaining simulated blood fluid from the heel of the infant foot.
2. Fill an empty syringe with 2 mL of distilled water.
3. Inject the distilled water into the heel of the foot.
4. Remove the syringe and squeeze the water back out.
5. Repeat steps 2 to 4 until all simulated blood fluid is emptied from the internal reservoir and the water runs out clear.

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.

Tel +1 941-377-5562 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

Customer Support - Canada

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

Phone 1-877-223-6273

Email: can.service@cae.com

Customer Support - Europe, Middle East, and Africa

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

Phone +49 (0) 6131 4950354

Email: international.service@cae.com

Customer Support - United Kingdom and Ireland

Monday - Friday from 9:00 a.m. to 5:00 p.m. GMT

Phone +44 (0) 800-917-1851

Email: uk.service@cae.com

Customer Support - Latin America

Monday - Friday from 9:00 a.m. to 5:00 p.m. BRT/BRST

Phone +55 11 5069-1510

Email: la.service@cae.com

Customer Support - Asia Pacific

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

Phone +49 (0) 6131 4950354

Email: ap.service@cae.com