



CPR PREMIE
CPR CATHY
CPR BONNIE
CPR BILLY
CPR TIMMY



Instructions for use, care and maintenance

...Serving Emergency Life Support for over 30 years

This manual is to familiarize the user with the function, care and maintenance of the manikin. Please read thoroughly before attempting use of your manikin.

FEATURES: Your manikin is designed to assist in the training and practice of CPR.

VENTILATION: The lung will inflate and the chest will rise when mouth-to-mouth, bag-valve-mask or mechanical ventilation is properly performed.

EXTERNAL CARDIAC COMPRESSION: The manikins feature the important anatomical landmarks necessary to effectively teach and practice external cardiac compression. These include the rib cage, jugular notch, sternum and the xiphoid process. Pressure on the chest will depress the “heart” and may be monitored by using manikins with the ELECTRONIC CONSOLE.

PREPARATION FOR USE: Basic manikin (without electronic console) is essentially ready for use directly out of the carton.

NOTE: If manikin is stored in low temperatures allow it to warm up to room temperature before using.

TO FILL WITH AIR: The manikin may deflate during shipment or over time. To re-inflate the manikin:

1. Slip the tubing from the black air pump bulb over the metal valve on the manikin’s foot.
2. Turn the metal valve counterclockwise to open.
3. Pump bulb until desired firmness is reached.
4. Turn valve clockwise to reseal.
5. Remove pump bulb assembly.

CAUTION: do not over inflate; may cause a malfunction of the switching mechanism in the electronic models and difficulty in compression on all models. Repair or replacement costs due to damage by over inflation are not covered by warranty.

NOTE: DO NOT OVER INFLATE. A good indicator of proper inflation in the TIMMY model is to place the manikin on a table and depress the leg at the knee with the heel of your hand. Proper inflation will cause the manikin’s heel to rise from the tabletop approximately 1 ½ to 2”. If less than 1 ½ “more air is needed. If more than 2” air must be expelled.

TO FILL WITH WATER:

NOTE ELECTRONIC MODELS: make sure all electronics have been disconnected prior to filling with water.

1. Hold manikin upside down.
2. Electronic models only: Place 2 red or clear caps (provided with electronic models) into the white (pulse) and blue (compression) ports of the manikin. The red (ventilation) port has a permanently attached cap to use to close the port. This is to prevent water from flowing into the internal components of the manikin. Basic models only have one port on the left foot.
3. Open the metal valve located at the bottom of the foot. Timmy models open the aqua drain on the foot.
4. Attach faucet hose assembly (included with purchase) from faucet to metal valve on the bottom of left foot. Timmy model attach the faucet hose assembly to aqua drain.
5. Fill with warm water.
6. Shut off flow of water.
7. Remove faucet hose assembly from metal valve; Timmy model remove faucet hose assembly from the aqua drain.
8. To remove air from the manikin gently squeeze until water flows from the metal valve.
9. Hold and close metal valve tightly.

TO DRAIN WATER FROM MANIKIN: IMPORTANT Water must be drained every seven (7) days to prevent microbiologic growth inside the manikin. Generally the manikin should not be stored filled with water especially if stored in extreme temperatures.

1. Place manikin's feet into sink and open the metal valve; Timmy models open metal valves and aqua drain.
2. Let drain 30 minutes or until all water has drained out.
3. Gently press chest of manikin repeatedly until water stops flowing.
4. Let drain additional 30 min. Electronic models, remove plugs from color coded ports.
5. Inflate with air for storage (all models).
6. After use: The manikin should be washed with warm, soapy water, rinsed well, dried, and lightly dusted with baby powder.

COMPLETE MODELS WITH ELECTRONICS PREPARATION FOR USE:

When you receive your pediatric manikin, you must calibrate the depth of compressions to match what you, the instructor, wish to see. You do this by using the fill with air instructions noted within this pamphlet in order to alter the depth of compressions necessary to illuminate the compression light on the console. When you have sufficient air in the manikin to cause the correct depth of compression to turn on the light, close the air valve in the foot and remove the squeeze bulb.

1. Connect blue tube extending from console to blue port on bottom of left foot (left side on the Premie Model).
2. Connect white bulb and clear plastic tube to white port on bottom of the left foot (left side on the Premie Model).
3. Connect red tube extending from console to red port on bottom of right foot (right side on the Premie Model).
4. Connect male jack on wafer switch from the manikin to the female jack on the console.

FUNCTIONS OF THE ELECTRONIC CONSOLE

ADDITIONAL FEATURES: The Infant electronic manikin feature a palpable Brachial Pulse, which may be activated by gently compressing the bulb attached to the tubing connected to the left foot of the manikin. A Carotid Pulse is a feature of the CPR TIMMY II only, and is activated when the bulb attached to the tubing is connected to the left foot of the manikin and is gently compressed. All Simulaids' Infant and Child manikins are air filled for easy carrying and handling during transport.

EXTERNAL CARDIAC COMPRESSION:

A wafer switch is attached to the sternum with Velcro. Pressure on the wafer switch activates a sensor to indicate correct finger/hand placement for compression. A switch inside the console activates another sensor to indicate correct depth of compression. If the chest is over compressed an additional plunger below the sternum activates another sensor.

LUNG VENTILATION: gentle puffs of air entering the lung will cause a discernible rise of the chest.

SENSORS AND LIGHT SIGNALS: Sensors located within the manikin and electronic console indicate:

Blue light – Indicates the correct finger placement for cardiac compression.

White light – Indicates the correct depth of chest compression.

Green light – Indicates the correct lung ventilation.

Red light & audio signal – Indicates over compression and, or over ventilation of the lung.

Note: Using the toggle switch on the console will deactivate the audio signal.

POWER SUPPLY: The electronic console box contains four AA batteries. To replace weak batteries remove the panel from the back of the console and remove the old batteries. Insert new batteries in the proper polarity (+ or -) direction and replace panel. Should lights fail to flash generally either the batteries are dead or have become disconnected. Check to make certain that the batteries are in the correct position and that contact is being made.

CARE AND MAINTENANCE

DISINFECTING BETWEEN STUDENTS: The manikin's face should be disinfected as per CDC protocols.

CLEANING AND DISINFECTING AFTER TRAINING SESSION:

NOTE: make sure all electronics have been disconnected prior to storing.

The manikins are rugged and designed so that effective flow through cleaning and sanitizing can be done simply and without disassembly. **AFTER USE:** The manikin should be washed with warm soapy water, rinsed well and dried. The face should receive additional cleansing attention as per CDC protocols. Detach all external tubes and attachments and discard disposable lung.

Non-re-breathing valve on CPR Timmy may be disinfected or replaced.

Gently scrub manikin with warm soapy water.

On electronic models open the permanently attached cap on the bottom of the manikin's right foot (right side on Premie II). Basic models do not have foot or side ports only mouth and chest.

Fill bulb syringe (which is provided with the manikin) with warm soapy water. Insert syringe nozzle into chest opening (port). Force soapy water through manikin by squeezing syringe.

Liquid will drain from port in foot and or mouth (side of Premie I).

Remove syringe and hold chest port firmly against a running sink faucet to completely flush the inside of airway and lung tube.

Carefully dry all parts. If water is allowed to remain microbiologic growth can occur. Because it is difficult to thoroughly dry the airway and lung tube pour in a mixture of one part alcohol to five parts of water: drain then shake manikin dry. It may be necessary to hang the manikin by its feet for a short time in order to permit it to drain through its mouth and chest.

Reattach external tubes. Plug in new lung, on Timmy plug new lung onto non-re-breathing valve.

REPLACEMENT ACCESSORIES:

No. 2018 Lungs for all Infant Models (dozen)

No. 2019 Lungs for CPR Timmy Models (dozen)

No. 1703 Non-re-breathing Valves for CPR Timmy (dozen)

No. 2252 Carry Bag for all Infant Models

No. 2260 Carry Bag for all Timmy Models

	<u>Length</u>	<u>Weight Air Filled</u>	<u>Weight Water Filled</u>
CPR Cathy	18"	2 lb.	5 lb. 8 oz.
CPR Bonnie	18"	2 lb.	5 lb. 8 oz.
CPR Premie	15"	1 lb. 8 oz.	3 lb. 12 oz.
Billy	22"	2 lb. 8 oz.	11 lb. 12 oz.
Timmy	34"	11 lb.	28 lb.

WARRANTY

Simulaids warrants their products to be free from defects in materials and/or workmanship for a period of three years from the date of purchase, as evidenced by the date on the invoice of the product shipment to the end user. This warranty expressly does not cover abuse, accidental or purposeful damage, or any form of modification to the product. This warranty does not cover moulage products. Only products manufactured at the Simulaids plant in Saugerties, NY receive this limited warranty status. All other products sold through Simulaids, but manufactured elsewhere, are subject to the warranties supplied by the product manufacturer. These warranties may differ from the Simulaids' warranty.

RETURN POLICY

Simulaid's reserves the right to either repair or replace affected parts or the entire unit, at their sole discretion, after investigating and reviewing the actual product and the damage. In most instances, a digital photo of the product in question showing the damage will help qualify a product for return to the factory.

At no time will any product be accepted without proper return authorization issued by Simulaid's. Please contact our Customer Service Department to arrange a return. Freight and Shipping charges are the sole responsibility of the end user. No product will be received with shipping charges due. Serial number and invoice number from the agency through whom the product was purchased must be provided for warranty repairs. No return authorization number will be provided without this information. Should you have any questions or wish further information on any product we manufacture call or write our Customer Service Department:

PO Box 1289 - 16 Simulaid's Dry Saugerties NY 12477

(845)-679-2475 Toll Free: (800)-431-4310

Fax: (845)-679-8996

info@simulaid's.com

simulaid's.com



Manufacturers of Patient Simulators, Training Manikins, Casualty Simulation Kits,
Medical Training Devices

PO Box 1289 - 16 Simulaids Dr. Saugerties NY 12477

(845)-679-2475 Toll Free: (800)-431-4310

Fax: (845)-679-8996

simulaids.com

3/2011



***CPR Packages
See simulaids.com for
more information***

