

SIMBODIES[®]

USER GUIDE



My SIMBODIES

Delivery Date:

Unique Body Code:
(located on lower back)

Name your manikin:

Contact info:

Notes:

WE'RE HERE TO SUPPORT YOU.

Should you have any questions about your new SIMBODIES manikin or products, please contact 855-428-6074, simbodiessupport-us@safeguardmedical.com or safeguardmedical.com.



AN INVESTMENT IN REALISTIC TRAINING, FOR REAL LIFE SAVING.

The best medical training starts with simulation. And the best simulation is the closest to real patients and real injuries as humanly possible. As global leaders and game-changers in the first responder industry, we provide the most hyper-realistic trauma training experience.

By purchasing a SIMBODIES manikin, you've made a critical investment in your trainees, in your skills, and in countless lives. Thoughtfully designed and detailed by clinical experts, scientists, and artists, your SIMBODIES manikin is a precise replica of human anatomy both inside and out.

This user guide will explain how to properly take care of your SIMBODIES manikin and products, apply and remove moulage and makeup, connect the blood pump, and customize applications. True-to-life SIMBODIES are the only patients that give you a second chance; however, there are some important dos and don'ts to keep in mind while handling your manikin. You'll learn about those too.

Know your SIMBODIES manikin inside and out.

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Life-Assist
Helping Heroes Save Lives 

SIMBODIES[®]

PART OF **SAFEGUARDMEDICAL**[™]

GENERAL CARE AND MAINTENANCE

All of our SIMBODIES manikins and products are unique and hand produced. We use the highest quality, most innovative materials that are built to last and can be reused and repurposed for a multitude of training scenarios. You may notice tiny imperfections in the skin; air bubbles and creases in the silicone together with slight variations in the seams, skin colors, and textures. This is all normal and will not affect the short or long-term function of your SIMBODIES manikin.



KEEP IT CLEAN

We recommend regular cleaning to ensure the longevity of your products.

1. Be gentle. Do NOT rub or forcibly scrub the silicone skin as this may result in damaging the silicone layers and details.
2. For best results, use a non-abrasive cleaner such as baby shampoo or other PH neutral cleaning solution. Carefully wipe down the skin surface with a sponge, hot water, and cleaning solution.
3. Pat dry your SIMBODIES manikin or product before storing.
4. Once your manikin is dry, use your setting powder located in the SIMBODIES Maintenance Kit to lightly brush the powder of the skin to return it back to its natural look and feel.



And take good care.

EYES

Your manikin's eyes are removable. Be careful not to pull eyelashes out when removing them.

LIMBS

Can be partially moved at the joints. Shoulders are fixed and do not articulate.

HAIR

Hand wash with a mild baby shampoo and leave to dry. Keep hair away from any bleach or cleaning products.

STORAGE

Store your SIMBODIES manikin lying flat on its back in the body bags or body cases until ready for use. Store in a cool dry room with an average temperature range of 50°F to 77°F. Do not place wet or damp body parts in a sealed body bag or box and allow to dry before storing.

TRANSPORTING

Carry your manikin in the body bag or boxes supplied. Be aware not to pull or manipulate the legs and arm in an unnatural way.





DOS AND DON'TS

Make sure your SIMBODIES manikin stays in excellent shape.



Do handle your SIMBODIES manikin like a real patient and take care when performing specific medical procedures.



Do keep your SIMBODIES manikins and products well maintained, clean, and dry.



Do make sure to run water through the bleeding tubes after each use until water runs clear and blood is removed.



Don't cut or use a bladed instrument on your SIMBODIES manikin.



Don't draw or write on SIMBODIES manikins and products' skins using pen or permanent markers such as Sharpies.



Don't manipulate the limbs into stress positions, pull the arms above the shoulders, or drag the manikins by their arms or legs.



Don't hang your SIMBODIES manikin from the neck.



Don't submerge in water.



Don't use any moulage products that are not recommended by SIMBODIES.



Don't pour any liquids into the mouth, i.e., simulated blood, vomit, or fluids.



Don't breathe directly using mouth-to-mouth into the airway and lung bags.



Don't store or leave SIMBODIES manikins face down.



Don't rub or forcibly scrub the silicone skin; this may result in damaging the silicone layers and details.



Don't leave wet or damp clothes on the manikin for a long period of time.



Don't leave simulated blood in the bleeding tubes after use.



MOULAGE AND MAKEUP REMOVAL

Maximum injury realism that leaves no trace.

Our moulage and makeup are designed to simulate blood and enhance the realism of injuries on SIMBODIES manikins, Simulation Sleeves, Simulation Wounds, or human skin. All our products are formulated to be skin-safe and non-staining on SIMBODIES manikins. This allows you to simulate complex wounds without leaving a trace of product, helping to maintain realism for future training and longevity of use. Always follow the correct product application guidelines as instructed and remove the products from skin immediately after you have finished your training exercise.

Wash off all moulage and simulation products using normal washing methods including skin soap and warm water. Use a dry flannel to assist in removing some of the stubborn effects.

SOFT WAX SIMULATION PRODUCTS

Peel soft wax gently off the skin and wash as above.

ACTIVATOR PALETTE COLORS

Remove with the activator spray (alcohol spray) or alcohol wipes

IMPORTANT

- Always be careful when removing products from around sensitive areas such as eyes and mouth.
- Never apply make-up to damaged or broken skin.
- Always wash hands with warm water and soap before eating or drinking.

If you have any concerns in relation to product allergies or sensitivities, please perform a patch test on a small area of skin before use.

OTHER MANIKINS

Only use skin-safe recommended moulage and simulation products on manikin skins and be aware that some products can stain plastic skins.

IMPORTANT

Casualty Simulation make-up products and synthetic bloods may stain clothing, fabrics, and other materials. SIMBODIES cannot accept any responsibility or liability for any damage or staining caused by incorrect use of casualty simulation products.

SIMULATION SLEEVE - APPLICATION AND REMOVAL

Simulation Sleeves are made from Prosthetic Grade Platsil Silicone, reinforced with a rip-resistant layer. Simulation Sleeves are created for casualty simulations with a permanently rendered injury or wound.

APPLICATION

Dust a small layer of Setting Powder on the inside of the Simulation Sleeves & roll onto the limb. *(Please see Figure 1-3)*

REMOVAL

Gently roll down the Simulation Sleeves from the top edge and remove. DO NOT use excessive force when removing Simulation Sleeves. Please see the removal pictures. *(Please see Figure 4-6)*

MAINTENANCE

Wash the Simulation Sleeves with non-abrasive, bleach-free soap and water. Pat dry with a towel and ensure it's fully dry before re-applying.

MOULAGE PRODUCTS

Use Simbodies recommended blood products. Alternative products may cause permanent staining; contact us for queries on compatible moulage products. simbodies.com/contact-us/

MANUFACTURE

Simulation Sleeves are handmade; therefore, their appearance and wound design can vary slightly from the advertised product.

DO NOT

- Use excessive force when removing Simulation Sleeves.
- Use a bladed instrument or cutting tool on the Sleeves.
- Use a pen or permanent marker on Sleeve.

ALLERGIES AND SUITABILITY

This product does not contain any Latex material and is skinsafe; however patch test if in doubt. Simulation Sleeves are also suitable for use on SIMBODIES manikins.

APPLICATION



Figure 1



Figure 2



Figure 3

REMOVAL



Figure 4



Figure 5



Figure 6

IMPORTANT

Disclaimer: For professional use only, SIMBODIES is not liable for personal injury, loss of or damage to goods arising out of the use of any Simulation Sleeves. Important Note: Please consider the safe use and disposal of sharps in accordance with Local & National Standards 2018v1

CONNECTING YOUR BLOOD PUMP AND BLEEDING TUBES

Real-world bleeding control training starts here.

SIMBODIES integrated bleeding tubes and manual blood pumps enable you to practice hemorrhage and bleeding control procedures in a variety of trauma situations. A self-pressurized blood pump is featured in SIMBODIES manikins which include options for catastrophic bleeding, amputations with bleeding (upper or lower limb), along with Table-Top Wound Packing and Hemorrhaging Trainers.

SIMBODIES SELF-PRESSURIZED BLOOD PUMP

STEP 1

Unpack your SIMBODIES bleeding product and locate the blood pump.

Kit contents include:

1x blood pump

1x length of tubing

1x I shaped connector for single bleed training

1x T shaped connector for double bleed training

SIMBODIES Floor Blood Concentrate not included

STEP 2

Unscrew the red lip and fill the blood pump with SIMBODIES Floor Blood Concentrate (as per instructions on the Floor Blood bottle). To prime your blood pump, reconnect the red lip to the bottle and ensure this is tightly secured. Manually pump the plunger several times to build pressure within the blood pump bottle. Firmly depress the trigger to activate the flow of simulated blood.

IMPORTANT! DO NOT OVER-PRESSURIZE. A maximum of 10X pumps should be sufficient to prime.

IMPORTANT! Use of non-Simbodies simulated products may result in damage. Please read the Moulage and Makeup Removal section on (page 10) carefully.

CONNECTING YOUR SIMBODIES BLOOD PUMP TO YOUR SIMBODIES BLEEDING POINT

STEP 1

Lower limb amputation bleeding tube connection point. The connection point on your SIMBODIES manikin for a lower limb amputation is situated on the hip area on the same side as the amputation.

Step 1: Unpack your SIMBODIES manikin and blood pump.

Step 2: Locate the tubing and connectors attached to the hip area of your SIMBODIES manikin.

Step 3: Using the I shaped connector on the end of your blood pump, simply connect it to the tubing provided.

Tubing and connectors are provided with your SIMBODIES manikin and its amputation.

STEP 2

Upper limb amputation bleeding tube connection point. The connection point on your SIMBODIES manikin for an upper limb amputation is situated on the rear of the shoulder on the same side as the amputation.

Please follow the same connection process as the lower limb amputation.



CONNECTING YOUR TABLE-TOP WOUND PACKING TRAINERS

Choose required connector (I or T) included in your kit.

Your Wound Packing Trainer (or similar) will have two bleeding tubes: RED & BLUE.

RED will bleed the large wound

BLUE will bleed the smaller wounds

Attach your connector to preferred bleeding point. Then depress the hand pump to your preferred pressure and press the trigger.

IMPORTANT! Should you have any connection issues, please contact 855-428-6074, simbodiessupport-us@safeguardmedical.com, or safeguardmedical.com for assistance.



ADDITIONAL FEATURES

Add on to the experience.

Your SIMBODIES manikin will heighten the realism in your training even further. We offer built-in Bluetooth speakers, Amputation Sleeves, Packable Wounds, and an Emergency Medical Skills - Torso Trainer with built-in surgical airway capabilities.

PACKABLE WOUND SLEEVES

- Locate the wound.*
- Remove the plain cover sleeve.*
- Connect your blood pump.*

SURGICAL AIRWAYS

Please contact our support 855-428-6074, simbodiesupport-us@safeguardmedical.com, or safeguardmedical.com if you have any questions about how to use the Surgical Airway option.

BLUETOOTH SPEAKER

Our advanced manikins come with a built-in Bluetooth speaker located at the base of the neck/upper back. The instructions and charger cables are located inside your SIMBODIES Manikin Maintenance Kit.

To remove:

Fold back the protective skin flaps

Using your fingers, pull the speaker out of its pocket

Turn on/off

Charge or connect to a device

Place back into its pocket making sure the front of speaker is facing outwards.



AMPUTATION SLEEVES

To connect your blood pump:

Remove the plain cover sleeve.

Twist and unscrew the leg or arm until fully free from the body.

Locate the amputation sleeve provided with your manikin.

Fold back the sleeve fully exposing the inside of the amputation sleeve.

You will see a small white connector. Push the connector into the tube located in the center of the exposed stump.

Finally, fold back the sleeve to its original form fully covering the leg. You are now ready to connect your blood pump.

IT NOT ONLY LOOKS LIKE A REAL HUMAN; IT WORKS LIKE ONE TOO.

SIMBODIES hyper-realistic medical manikins are created to deliver the highest standard of training support for medics and emergency responders. All our recommended medical interventions that can be performed on an EMS-Man are listed here:

MEDICAL PROCEDURE	ADULT MALE
Catastrophic/ Life Threatening Hemorrhage	Y
Application of a Tourniquet	Y
Wound Packing	Y
Junctional Bleeding	Y
Airway Management	Y
Head Tilt	Y
Chin Lift	Y
Jaw Thrust	Y
Postural Airway Management (1)	Y
Nasopharyngeal Airway Insertion (1)	Y
Oropharyngeal Airway Insertion (1)	Y
Supraglottic Airway Device Insertion (2)	Y
Laryngoscopy/ Tracheal Intubation (1)	Y
Needle Cricothyroidotomy (9)	N

C-Spine Control	Y
Application of a Spinal Collar	Y
Application of Manual Inline Stabilisation	Y
Breathing Assessment	Y
Artificial Ventilation (BVM) (3)	Y
Artificial Ventilation (Ventilator when intubated) (3)	Y
Application of Chest Seal (4)	Y
Needle Thoracocentesis (5)	Y
Circulation Assessment	Y
Application of Various Dressings	Y
Application of Pelvic Binder	Y
Application of Traction Device (Femoral)	Y
Intraosseous Access Tibia	Y
Intraosseous Access Humeral Head	Y
Chest Compressions (manual) (6)	Y
Chest compressions (automated) (7)	Y
Application of AED/ Defibrillator Pads (8)	Y

1. For most current medical devices 2. Different supraglottic airway devices will have varying degrees of realism in terms of insertion and ventilation, depending on device used. Please contact for further info. 3. Chest expansion during ventilation can be variable depending on the manikin, airway, and ventilation devices used 4. Some chest seals may not adhere to silicone skin in the same manner as human skin. 5. Child/baby and Adult Female 2nd intercostal only. Adult Male 2nd and 5th 6. Chest compressions can be performed on all of our manikins but are not designed solely for CPR training. Chest Compressions depth and feedback varies by manikin. 7. Certain devices will work. Please contact simboddiessupport-us@safeguardmedical.com 8. Some pads may not adhere to silicone skin in the same manner as human skin. 9. Available on the EMS-T Trainer.

SERVICE AND SUPPORT

In addition to our standard 1-year warranty, SIMBODIES offers two restoration program options to ensure the longevity of your manikins.

12-STEP RESTORATION PROGRAM SINGLE YEAR (1)

Customer will be entitled to 1 EMS-MAN restoration within 12 months of receipt of their manikin.

12-STEP RESTORATION PROGRAM MULTI YEAR (3)

Customer will be entitled to 3 EMS-MAN restorations. 1 per year for 3 years from receipt of manikin. For more peace of mind this is our recommended option.

FULL MANIKIN MAINTENANCE AND REPAIRS INCLUDES:

- *Shipping collection & return*
- *Full Body assessment, deep clean and sanitize*
- *Wig wash & replenish*
- *Facial features and skin refresh, eyes & socket clean & eyelash replace*
- *Full body superficial skin repairs*
- *Genitalia & pubic hair repatching*
- *Needle puncture skin repairs*
- *IO Pod replacement and skin repair (Includes 2x Humeral, 2x Tibia pods)*
- *Visual inspection of the mouth & airway (lip repair, teeth, and nasal tube clean & sanitize)*
- *Minor repairs on manikin Amputation Sleeves and Cover Sleeves and refresh of the blood coloring.*
- *Repair of any minor accidental damage to limbs, fingers, hands & feet delamination (Includes: flushing and sanitizing the bleeding tubes and packing wound)*
- *Full Intended Medical Procedures check*

AFTER CARE SUPPORT: We're always here to help with any questions. If you would like more information, or to inquire about maintenance packages, please contact your sales representative or email simbodiesrepairs-us@safeguardmedical.com

WARRANTY

Subject to these terms, SAFEGUARD MEDICAL warrants to the original purchaser of new SIMBODIES products only, that SAFEGUARD MEDICAL SIMBODIES products shall be of good quality and free from defects that impact intended procedures, in design, materials or workmanship under normal use and proper maintenance for one (1) year from the date of original purchase, provided that if an expiration date is indicated on disposable items, the warranty period shall instead be the date of expiration (collectively "Warranty Period").

Our manikins are designed to be life-like simulators for the teaching and training of intended medical procedures. The manikins are not intended to be identical to humans. Aspects of the manikins are intentionally anatomically different from humans to enable them to be multi-use manikins that can be used for intended medical procedures. Variations from human anatomy are not deemed to be errors or a breach of this warranty.

All SIMBODIES manikins are handmade with great care and pride. Due to their hand made nature, all manikins will have aesthetic differences and not be exact replicas of each other. Such aesthetic differences that do not interfere with the intended procedures of the manikin are not deemed to be errors or a breach of this warranty.

We manufacture all of our products to meet our superior standards. However, regardless of how carefully you care for your SIMBODIES product, it will eventually begin to show age and wear. A non-limiting example of such wear may occur after repeated needle insertion for needle decompression or IO insertion. Even though the SIMBODIES skin can close over after the needle use, eventually after numerous procedures, these sites will show wear. Consequently, the SIMBODIES warranty does not cover normal wear and tear.

This warranty includes repairs due to manufacturing defects to the outer skin (i.e., split seams). This warranty shall not be effective if the product has been subject to non-intended medical interventions, physical abuse, misuse, abnormal use, use not consistent with SIMBODIES published directions, fraud, tampering, unusual physical stress, negligence or accidents. If a manikin is returned for repair and inspection indicates that the damage through the misuses above any repair will be outside of warranty. The customer will be informed and additional charges will be agreed with the customer before any repair to the manikin is made.

To obtain warranty service:

1. Give written notice to SAFEGUARD MEDICAL at simbodiesrepairs-us@safeguardmedical.com detailing the defect and request a Return Material Authorization (RMA) number.
2. Return the product, properly repackaged, freight pre-paid to SAFEGUARD MEDICAL. The valid RMA number must be displayed on the outside of the shipping container.

If the defect is found to be covered by the warranty, a full repair will be performed and the product will be returned free of charge. The initial freight cost will be reimbursed. If the repair falls outside of the warranty, a quotation for the repair will be provided. This repair will only be performed under the authorization of the customer and an invoice will be issued (including return freight costs) in the usual manner. Notwithstanding anything to the contrary in this notice, the repair or replacement of the nonconforming products by SAFEGUARD MEDICAL as provided herein under shall be customer's sole and exclusive remedy for a failure of a product to conform to the warranty set forth above.

A CONTINUED STANDARD OF CARE WHILE IN OUR HANDS AND YOURS.

**SIMBODIES, A SAFEGUARD MEDICAL COMPANY,
IS THE GLOBAL LEADER IN MEDICAL SIMULATION.**

Our support and dedication doesn't end once your product leaves our facility. All of our products come with a 1-year warranty and optional maintenance plans. We're confident that you will be satisfied with your SIMBODIES as a precise replication of the human anatomy you need for lifesaving training. Should your SIMBODIES product not meet the expected standard, we'll make it right.

Safeguard's intelligent color-coded trauma system saves time and lives.



Hemorrhage
Control



Airway
Management



Respiratory



Circulation



Head &
Hypothermia



Burn
Treatment

CONTACT US

We're always here to help with any questions you may have. To inquire about service packages outside of warranty, please contact **855-428-6074**, simbodiessupport-us@safeguardmedical.com, or safeguardmedical.com