



Trauma Kit MP1000 User Manual



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1. Introduction

The MEDICFX Trauma Kit MP1000 is designed to provide realistic trauma simulation for medical education, emergency response training, and moulage practice. Each component is handcrafted by MEDICFX special effects artists to deliver lifelike tissue response, wound realism, and high clinical fidelity.

Intended Use

This kit is intended for:

- Clinical simulation labs
- First responder and tactical medic training
- Medical, nursing, and emergency medicine education
- Trauma scenario moulage

Safety Notes

- All products are non-toxic and skin-safe when used as directed.
- Avoid contact with eyes, mucous membranes, or open cuts.
- Some products may stain fabric or surfaces. Use protective coverings where possible.

At MEDICFX, our mission is to provide realism in simulation that enhances medical training and patient safety - ***turning props into real patients.***

This manual provides essential guidance on the use, care, and maintenance of our trauma kit. While prepared with care, MEDICFX cannot be held responsible for minor errors or version differences between manuals and products.

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2. Kit Contents

The MEDICFX Trauma Kit MP1000 includes the following components, organised into categories for easy use:

Silicone Trauma Wounds

- MT020 – Multiple Lacerations
- MT021 – Abrasion
- MT032 – Open Wound
- MT046 – Suture Wrist Laceration
- MP003 – Cuts and Lacerations
- MP013 – Small Superficial Wounds

Consumables & Simulation Fluids

- 100g FXGEL – Clear
- 100g FXGEL – Skin Medium
- 60g FXGLUE-GEL
- 50ml FXBLOOD – Stage Dark
- 20g FXBLOOD – Coagulated
- 100ml FXBLOOD – Squirt
- 10g FXGLASS
- 60ml FX Silicone – Medium

Makeup & Colouration

- Ben Nye Master Bruise Wheel
- 25g Ben Nye Neutral Powder

Adhesives & Skin Protectants

- 10ml Pros-Aide Adhesive
- 50g Vaseline
- Nexcare Tape

Application Tools

- Metal Spatula and Palette
- Chip Brush ½ inch
- Round Brush #2
- Flat Brush ½ inch
- 2x Stipple Sponges (Fine & Coarse)
- Powder Puff

Simulation Accessories

- 2x Thin Bloodlines (3/2 50cm + luer)
- 2x 30ml Syringes
- Clean Kit with Bond Off

3. Product Instructions

1. Bruise Wheel (Ben Nye)

Purpose

Create realistic bruising, discolouration, or shading around wounds.

How to Use

- For a fresh bruise: apply red and blue in a stippled pattern.
- For older bruises: add yellow and green for a mottled appearance.
- Dab colours lightly with a sponge; break up uniformity using a cotton bud.
- Set with neutral powder to prevent smudging.

Removal

- Use cream make-up remover or cosmetic wipes.
-

2. FX Bloods

A. Stage Blood (Dark, Thick)

Purpose

Simulate thick, slow-moving blood in wounds or on the skin.

How to Use

- Apply directly into wounds or onto skin.
- Spread with a spatula or sponge for a natural flow.

Cleanup

- Wash with warm soapy water.
- For stains, apply shaving cream and rinse.

B. Squirt Blood (Thin, Free-Flowing)

Purpose

Create active, fresh bleeding effects.

How to Use

- Load into syringe or connect to bloodline.
- Apply directly to wounds for dripping blood.
- For splatter effects, flick with a stiff brush or toothbrush.

Cleanup

- Same as Stage Blood.

C. Coagulated Blood (Thick Paste)

Purpose

Represent dried or clotted blood.

How to Use

- Scoop with a spatula.
- Pack directly into wounds or smear around edges.

Cleanup

- Warm soapy water.



2. Product Instructions cont

3. FXGEL (Gelatin-Based)

Purpose

Build burns, raised textures, zombie skin effects, or custom wounds.

How to Use – (Caution: do not overheat)

- Warm in a microwave-safe container for 10–20 seconds.
- Stir and test temperature on the back of your hand before applying.
- Apply directly to the skin with a spatula for texture, or pour into silicone moulds.
- Blend edges with wet fingers or sponge.
- Colour with bruise wheel or powders as required.

Care & Reuse

- FXGEL can be re-melted and reused.
- Dilute with water for softer textures.

Removal

- Peel away excess.
- Wash with warm water.
- If applied with Pros-Aide, remove adhesive separately.

4. Pros-Aide Adhesive

Purpose

Attach silicone or foam appliances securely to the skin.

How to Use

- Apply a thin layer to both skin and prosthetic surface.
- Allow to dry until clear and tacky.
- Press prosthetic firmly into place.
- Use Pros-Aide cream to blend edges if needed.

Removal

- Use Pros-Aide remover or isopropyl myristate.
- For sensitive skin, soften with warm water before peeling.

5. FX Silicone (2-Part System)

Purpose

Create highly realistic, durable wounds directly on the skin.

How to Use

- Use spatulas marked “A” and “B” to avoid cross-contamination.
- Mix equal parts of Component A and B on a clean palette until uniform.
- Apply onto skin in a raised shape where the wound will be placed.
- Blend edges into the skin.
- Sculpt wound by cutting or pulling silicone aside.
- Optional: add Smith’s Deadener for softness or flocking/powder to adjust colour.
- Once set, enhance with coagulated or squirt blood.
- Tip: Add a drop of dish soap to prevent blood from beading on silicone.

Removal

- Peel away once cured.
- If adhesive was used underneath, remove with appropriate remover.



2. Product Instructions cont

6. MEDICFX Stick-On Wounds

Purpose

Provide reusable, lightweight wounds for rapid application.

How to Use

- Clean the skin with alcohol swab.
- Warm FXGLUE-GEL in microwave (10 seconds) or hot water until softened.
- Brush glue onto the back of the wound.
- Press wound firmly onto skin.
- Blend edges with additional glue if needed.
- Powder off with neutral powder.

Care & Reuse

- After use, rinse wound under hot water to remove glue.
- Dry thoroughly and return to plastic backing.

7. MEDICFX Wrap-Around Appliances

Purpose

Create large, reusable traumatic wounds with optional bleeding capability.

How to Use

- Wrap appliance around the limb and secure with Velcro straps.
- For bleeding effects:
 - Cut a small hole in wound site.
 - Thread bloodline tube through and secure at the back.
 - Connect to syringe or bag filled with squirt blood and a drop of dish soap.
- Add additional blood or glycerin for shine.

Care & Reuse

- Remove fabric backing after use.
- Wash silicone under warm water, air dry, and store flat.

8. FX Glass

Purpose

Simulate embedded glass shards for trauma scenarios.

How to Use

- Apply Pros-Aide or FXGLUE-GEL to skin or wound site.
- Press FX Glass lightly into adhesive.
- Surround with FXGEL or blood for realism.

Safety

- Do not apply near eyes or mucous membranes.

Removal

- Peel gently and wash area with warm water.



2. Product Instructions cont

9. Neutral Powder

Purpose

Set make-up, reduce shine, and secure adhesives.

How to Use

- Load powder puff or brush.
- Apply gently over prosthetic edges or make-up.
- Repeat as needed.

Removal

- Wipe away with damp cloth.

10. Brushes, Sponges & Tools

Purpose

Essential applicators for make-up, blood, and wound construction.

How to Use

- Spatula & Palette: mix silicone, FXGEL, adhesives.
- Chip Brush / Flat Brush: apply and splatter blood.
- Round Brush: detail painting.
- Stipple Sponges: add mottling, bruises, or flecks.
- Powder Puff: apply neutral powder.

Care

- Wash all tools with warm soapy water after each use.
- Dry thoroughly before storage.

11. Bloodlines & Syringes

Purpose

Deliver controlled bleeding effects for realism.

How to Use

- Thread bloodline through wound appliance.
- Connect tubing to syringe filled with squirt blood.
- Apply steady or pulsed pressure to simulate venous or arterial flow.

Care

- Flush bloodlines with warm soapy water after use.
- Air-dry before storage.

12. Vaseline

Purpose

Create shine, simulate sweat, or protect skin during adhesive use.

How to Use

- Dab lightly on wounds to produce a "wet" look.
- Apply as a barrier on skin before adhesives.

Cleanup

- Wipe away with tissues or wash with warm soapy water.

4. Safety & Care Instructions

- Do not ingest any products.
- Keep away from children when not in supervised training.
- Use protective clothing to avoid stains.
- Store all silicone and gels in a cool, dry place (0–40°C).
- Avoid exposure to direct sunlight or high humidity.
- Be careful not to overheat FX Gel as it could cause burns.

5. Preparation Instructions

- Warm FXGEL carefully (microwave 10–20s). Test heat before use.
- Preload syringes with squirt blood mixed with a drop of dish soap for realism.



6. Training with our Trauma Kit

The MEDICFX Trauma Kit MP1000 is a modular system for building immersive trauma scenarios. With five large wrap-around wounds, thirteen stick-on wounds, and a full set of moulage products, the kit supports a wide range of training settings - from community to the Haemorrhage classes to advanced simulations for trauma life support.

6.1 Wrap-Around Wounds

- With Bloodlines (2 wounds):
 - These can be fitted with the supplied bloodlines, enabling lifelike bleeding control scenarios. Trainers can simulate venous or arterial flow using syringes, allowing learners to practise:
 - Direct pressure
 - Wound packing with gauze or hemostatic dressings
 - Tourniquet application under time pressure
- Without Bloodlines (3 wounds):
- Designed as major limb or blast injuries, these wounds prepare learners to recognise catastrophic bleeding and rehearse rapid assessment, escalation, and casualty handling

6.2 Stick-On Wounds (15 wounds)

Lightweight and reusable, these wounds can be placed anywhere on a simulated patient to create multiple casualties quickly. They are ideal for:

- First aid training (cuts, abrasions, minor lacerations)
- Mass casualty or triage exercises (START or SALT methods)
- Secondary survey realism during emergency department or trauma bay simulations

6.3 Moulage Products

The kit's FX bloods, gels, and glass allow educators to build complexity into scenarios:

- Burns and blunt force injuries (using FXGEL and FX Silicone)
- Embedded debris and shrapnel wounds (using FX Glass)
- Staged or active bleeding (using Stage, Coagulated, or Squirt Bloods)

These products enhance psychological fidelity, preparing learners for the stress and decision-making of real emergencies.

6. Training with our Trauma Kit

6.4 Suggested Training Scenarios

Haemorrhage Control / Community Training

- Learners apply direct pressure, escalate to wound packing, and use tourniquets.
- Mass Casualty Incident (MCI)
- Stick-on wounds across multiple casualties support triage, prioritisation, and teamwork.

Tactical Combat Casualty Care (TCCC)

- Wrap-around wounds with bloodlines allow simulation of catastrophic haemorrhage, groin or junctional wound packing, and the MARCH algorithm.

Emergency Department / Trauma Bay

- Patients arrive moulaged for handover; wounds are discovered during primary and secondary surveys.

Industrial / Vehicle Accident

- Layered moulage and stick-ons replicate crush injuries, burns, and glass debris for extrication and trauma care practice.

6.5 Standards Alignment

All training scenarios can be mapped to the Healthcare Simulation Standards of Best Practice® (INACSL):

- Simulation Design – select wounds and moulage to meet objectives
- Prebriefing – set expectations and psychological safety, especially when graphic wounds are used
- Debriefing – reflect on judgment, empathy, communication, and teamwork



7. Care Instructions

- Wash silicone wounds under warm water after use; dry fully.
- Clean brushes/sponges with warm soapy water.
- Flush bloodlines with soapy water and air-dry before storage.
- Store powders, adhesives, and gels sealed and out of direct sunlight.
- Reapply baby powder to stick-on wounds before storing.

8. Warranty

MEDICFX warrants that our Trauma Kit is free from defects in material and workmanship for a period of 12 months from the date of delivery. With normal use, the kit is expected to withstand repeated training sessions, including:

This warranty covers defects in manufacture but does not include:

- Normal wear and tear (staining, colour fading, small cuts).
- Damage caused by misuse, improper cleaning, or chemical exposure

If a defect is identified, MEDICFX may, at its discretion, repair, replace, or refund the product upon return.

Shipping damage must be reported within 7 days of receipt with photographic evidence.

Manufacturing defects are covered within the 12-month warranty period.

CARE AND REPAIR

