CATALOGUE 2027
MILITARY FORCE

Unbeatable Rapid Haemostatic Dressing
Reengineering Survival, Seconds Matter.

UNBEATABLE
NEVER STOP WINNING



is not China

Stand With Ukraine

BE STRONG AND COURAGEOUS. DO NOT BE AFRAID; DO NOT BE DISCOURAGED FOR THE LORD YOUR GOD WILL BE WITH YOU WHEREVER YOU GO. - NIV JOSHUA 1 : 9

ABOUT US

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Unbeatable Rapid Haemostatic Dressing
Reengineering Survival, Seconds Matter.

Corporate :	Medge Healthcare Manufacturing Sdn Bhd
Brand :	UNBEATABLE
Founder :	CH LIM
Establishment :	April 2024
Head Office :	Kuala Lumpur, Malaysia
Manufacturing :	Malaysia
Website :	www.medgehealthcare.com

We are not just manufacturing Rapid Haemostatic Dressings; we are re-engineering survival.

In Malaysia, Singapore and Philippines, we renamed Unbeatable Rapid Haemostatic Dressing as Unbeatable Gauze with Clot Control.



Global Network

Strategic Trust

Rapid Response

Innovative R&D

Life Savior



Unbeatable Rapid Haemostatic Dressing (URHD) is a next-generation bleeding control solution designed for critical emergencies, battlefield trauma, and surgical operations.

Engineered to **stop severe bleeding in as fast as 30 seconds**, it offers rapid haemostasis, minimizes blood loss, and enhances survival when every second counts. FDA-certified, biocompatible, and easy to apply, Unbeatable empowers medical teams, military personnel, and humanitarian responders to act swiftly, confidently, and effectively - because in life-threatening situations, speed saves lives. **Invented by Malaysians and proudly made in Malaysia**, **Unbeatable represents local innovation with global impact.**

Heroes Bleed

We Stop It

TRUSTED & TESTED

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Trusted Where It Matters Most

In the most demanding environments on earth, Unbeatable Rapid Haemostatic Dressing provides the critical edge needed to save lives. Our products are rigorously tested by frontline personnel and medical professionals who face life-and-death situations every day.



Battle-Tested Excellence

From urban emergency response to the most challenging terrains, our technology is proven to deliver rapid hemorrhage control. We are proud to support those on the frontlines with medical solutions that are not just tested in labs, but proven in action.

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UNBEATABLE RAPID HAEMOSTATIC DRESSING

Unbeatable Rapid Haemostatic Dressing (URHD) is engineered to align with TCCC operational requirements for hemorrhage control. The product is:

- **Effective in severe arterial bleeding scenarios**, consistent with TCCC-defined massive hemorrhage conditions
- **Designed to support rapid wound packing and sustained compression**, including use in junctional areas where tourniquets are not applicable
- Suitable for use by **first responders, soldiers, and non-medical personnel** under high-stress, low-visibility environments
- Developed with consideration for **battlefield reliability**, ensuring stable performance across variable and extreme conditions



TCCC COMPLIANCE

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Category	Requirement	Technical Description	Yes?
Hemostatic Performance	Massive hemorrhage control	Ability to rapidly control life-threatening bleeding	Y
	Arterial bleeding effectiveness	Proven effectiveness in arterial hemorrhage	Y
	Clot stability	Maintains stable clot under sustained pressure	Y
	Anti-washout capability	Effective under high-flow bleeding conditions	Y
	Time to hemostasis	Documented time-to-hemostasis data	Y
Wound Applicability	Wound packing capability	Suitable for wound cavity packing	Y
	Deep wound applicability	Effective in irregular/deep wounds	Y
	Junctional hemorrhage	Suitable for groin, axilla, neck injuries	Y
	Non-tourniquet scenarios	Effective where tourniquets cannot be applied	Y
Ease of Use	Non-medical usability	Usable by soldiers or civilians with minimal training	Y
	One-hand operation	Can be opened and applied with one hand	Y
	Low-visibility usability	Usable in dark or high-stress environments	Y
	Simple application	Minimal and intuitive steps	Y
	Rapid packing design	Z-fold or equivalent design for quick application	NA
Safety Profile	No exothermic reaction	Does not generate heat during application	37C
	No tissue damage	Does not cause tissue necrosis	Y
	Debridement compatibility	Easily removable during surgical treatment	Y
	Biocompatibility	Non-toxic, low allergenic risk	Y
Environmental Stability	Temperature resistance	Stable under extreme heat and cold	Y
	Shelf life	Long and validated shelf life	Y
	Protective packaging	Waterproof and contamination-resistant	Y
	Multi-environment suitability	Suitable for desert, jungle, battlefield conditions	Y
Tactical Integration	TCCC compliance	Aligned with Committee on Tactical Combat Casualty Care guidelines	Y*
	MARCH protocol alignment	Supports Massive Hemorrhage priority	Y
	Tourniquet compatibility	Can be used alongside tourniquets	Y
	Pressure dressing compatibility	Works with pressure bandages	Y**
Clinical Validation	Preclinical/clinical data	Supported by animal or clinical studies	Y
	Hemostasis metrics	Quantified performance data	Y
	Efficacy rate	Documented success rate	Y
	Regulatory compliance	FDA, CE, or equivalent approvals	IP***

Tactical Combat Casualty Care (TCCC) establishes that hemorrhage control is the first and most critical priority in prehospital battlefield medicine.

Within the **TCCC MARCH** algorithm, **Massive Hemorrhage (M)** is addressed before airway, respiration, circulation, and hypothermia management, underscoring the decisive impact of rapid bleeding control on survivability.

TCCC-compliant hemostatic solutions are therefore required to meet three core operational principles:

1. **Battlefield usability** under austere and high-threat conditions
2. **Reliability in extreme environments** (temperature, humidity, contamination)
3. **Rapid and effective control of life-threatening hemorrhage**, including arterial bleeding

In alignment with TCCC and CoTCCC guidelines, a compliant hemostatic dressing must enable immediate intervention by ***non-medical personnel, support wound packing for deep or junctional injuries, and maintain hemostatic efficacy under sustained direct pressure in high-flow bleeding scenarios***.

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SURVIVAL RATE & SELF-RESCUE



How Our Unbeatable Rapid Haemostatic Dressing (URHD) Delivers That Survival Rate?

- **30-Second Rapid Action:** We completely eliminated the slow, 90 seconds wound packing and 3-minute compression process required by traditional combat gauze. Just apply pressure, and URHD stops severe arterial bleeding in only 30 seconds.

Why Survival Rate is Your Ultimate Strategic Advantage?

- **Maximize Your Combat Power**: Every trained soldier you lose is irreplaceable and costly. Increasing survival rates preserves your experienced manpower and keeps your units combat-ready.
- **Fortify Troop Morale**: Your soldiers fight harder and unit cohesion remains unbreakable when they know their command has provided them with the best chance to survive severe injuries.
- **Mitigate Political & Public Backlash**: As military leaders, you face intense scrutiny. High casualty rates drain public support and create political pressure that can derail your mission.
- **Protect Command Accountability**: Reducing preventable deaths is your highest duty, safeguarding your leadership record, trust, and operational success.
- **Empowers Immediate Self-Rescue**: When your troops are pinned down under fire or isolated, they can't wait for a medic. Our product is so simple to use that wounded soldiers can instantly treat themselves.

How URHD Revolutionizes Soldier Self-Rescue Over Traditional Combat Gauze?

URHD drastically improves a soldier's capacity for self-rescue under fire by eliminating the slow, complex procedures required by traditional combat gauze. While normal combat gauze demands a tedious 90-second wound-packing process and a full 3-minute compression period, URHD requires zero medical training and works instantly on contact, allowing wounded, isolated soldiers to immediately treat themselves. By bypassing these complex techniques and stopping severe arterial bleeding in just 30 seconds, URHD saves critical time during the "golden minutes," transforming a highly vulnerable situation into a swift, life-saving self-rescue.

- **Defeats Junctional Bleeding**: Traditional tourniquets are useless on the groin, armpits, or neck. URHD immediately seals massive hemorrhages in these deadly junctional areas.
- **Flawless in Extreme Conditions**: Unlike other products, URHD works independently of the body's natural clotting cascade. It reliably stops bleeding even if your soldier is suffering from hypothermia or has anti-coagulants in their system.
- **Requires Zero Medical Training**: Your medics are often overwhelmed. URHD works instantly on contact without complex techniques, allowing anyone - even untrained personnel - to save a life during the critical "golden minutes"

UNBEATABLE RAPID HAEMOSTATIC DRESSING

GEN II

NON-ADHESIVE, SILVER-INFUSED

The Next Generation of Trauma Care (Non-Adhesive, Silver-Infused).

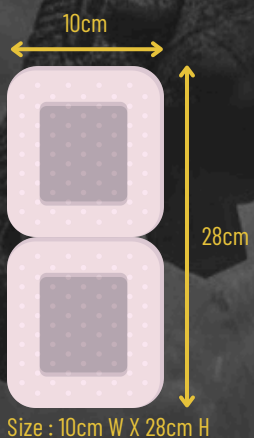
GEN II represents the pinnacle of haemostatic technology. Upgraded with an advanced formula, this dressing is specifically engineered for the most demanding military and tactical environments on earth.

- Infused with silver, this upgraded formulation provides broad-spectrum antimicrobial protection, effectively eliminating **10 types of bacteria, 7 types of viruses, and 3 types of fungi**, reducing the risk of infection in high-risk wounds.
- Now available in a **twin-patch configuration within a single sterile pack**, this version is ideal for managing **larger wounds**, such as open fractures with extensive bleeding.
- **Non-Adhesive & Silver-Infused Unbeatable Rapid Haemostatic Dressing** is more than just a life-saving solution capable of stopping lethal bleeding within 30 seconds — it's a next-generation wound care innovation.
- The **non-adhesive design** ensures the dressing does not stick to the wound bed or the newly formed granulation tissue, allowing for painless removal without disrupting the healing process.
- **Designed for the extreme demands of battlefield medicine**, it combines rapid hemostasis, infection control, and atraumatic wound care in one compact, mission-ready solution.

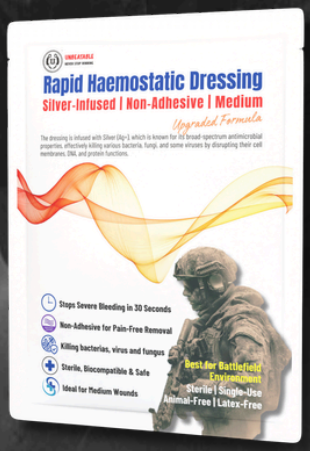
GEN II

Advanced Non-Adhesive, Silver-Infused Protection.

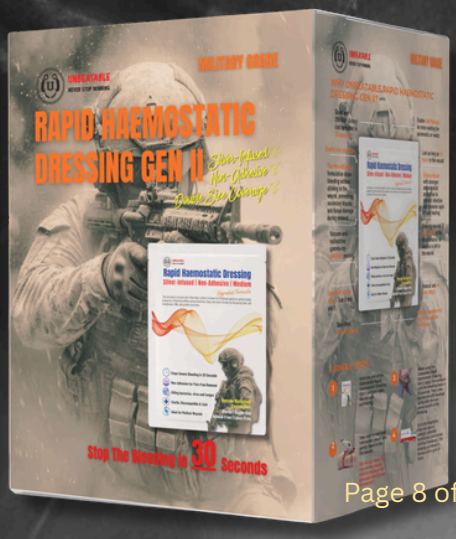
Our upgraded GEN II formula is Silver-Infused, providing powerful anti-microbial properties to kill bacteria, viruses, and fungi on contact. It features a non-adhesive, pain-free removal design, making it the ultimate tool for severe wound management in the field.



Size : 10cm W X 28cm H



5 Pax in a Box



UNBEATABLE IFAK

Battle-Ready Protection for the Individual.

In high-stakes environments, self-reliance is the key to survival. The Unbeatable IFAK is a premium-grade individual first aid kit engineered for those on the front lines. Featuring our military-standard Rapid Haemostatic Dressing, this kit is designed to provide immediate, life-saving intervention for traumatic injuries when every second counts

IFAK

Compact. Rugged. Life-Saving.

- **Military-Grade Performance**: Equipped with advanced technology that stops lethal bleeding in 30 seconds.
- **Tactical Design**: Housed in a durable, heavy-duty pouch that can be easily attached to belts, vests, or tactical gear for instant access.
- **Comprehensive Contents**: Beyond specialized dressings, it includes essential trauma tools needed for field stabilization in particular Unbeatable Rapid Haemostatic Dressing Military Grade 50g and 100g.
- **Reliable in Extremes**: Built to perform in harsh conditions, ensuring you are prepared for any combat or emergency scenario.



UNBEATABLE TRAUMA BANDAGE

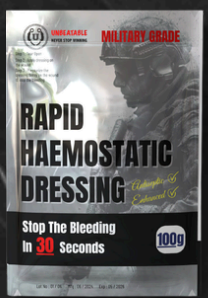




6 inch W X 15cm L, Vacuum Packed

Work best with





UNBEATABLE BLEEDING CONTROL KIT

Built for the Frontline: Why the Unbeatable Bleeding Control Kit is Essential for Armored Vehicles

In high-intensity combat environments, crew members inside armored trucks, APCs, and tanks face severe, life-threatening trauma risks from improvised explosive devices (IEDs), shrapnel, and heavy ballistic impacts. When severe bleeding occurs in these tight, high-stress spaces, every second dictates the line between life and death. The Unbeatable Bleeding Control Kit is engineered specifically to meet the brutal demands of mechanized warfare.

1. Ultra-Rugged, Armored Exterior Design

Just like the vehicles it protects, the kit's casing is built to withstand extreme battlefield conditions.

- **Impact & Crush Resistance**: The heavy-duty, reinforced hard case features a rugged, textured design capable of absorbing intense shocks, vibrations, and drops inside a moving tank or armored truck.
- **Environmental Protection**: It is engineered to seal out dust, water, and contaminants, ensuring that the critical medical components inside remain 100% sterile and operational, even in desert or muddy terrains.
- **Secure yet Accessible**: The robust latches prevent accidental openings during rough off-road transits, yet allow for rapid, single-handed opening when an emergency strikes.

2. Lifesaving Speed: 30-Second Rapid Haemostatic Dressing

In tactical combat casualty care (TCCC), stopping catastrophic hemorrhage is the absolute first priority.

- **Combat-Proven Efficiency**: The kit houses the Unbeatable Rapid Haemostatic Dressing, a military-grade medical advancement designed to clot blood and stop severe arterial or venous bleeding in as little as 30 seconds.
- **Designed for Tight Spaces**: Inside the cramped confines of a tank or armored vehicle, traditional pressure dressing can be difficult to apply effectively. This rapid-acting dressing allows crew members or combat medics to pack wounds and achieve rapid hemostasis quickly, minimizing blood loss before evacuation.

3. Tailored for Military Readiness

Featuring the official Angkatan Tentera Malaysia (Malaysian Armed Forces) branding, this kit is customized for state-level defense requirements. Its high-visibility internal organization allows soldiers to instantly locate life-saving tools under extreme stress, low-light conditions, or inside a smoky vehicle cabin.



NEW

Unbeatable 2-Step Rapid Healing System

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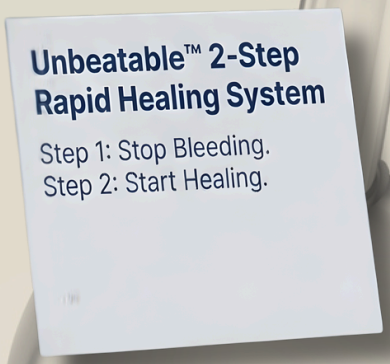
Experience the future of cellular restoration.

Stop Bleeding, Start Healing.

UNBEATABLE RAPID HEALING MIST

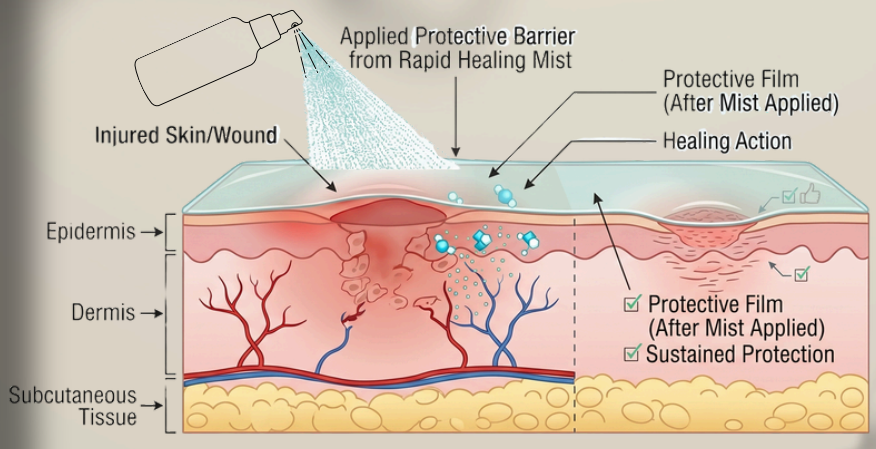


Unbeatable Rapid Healing Mist is the core component of our Unbeatable 2-Step Rapid Healing System , engineered to accelerate the body's natural healing process through advanced tissue care.



Key Benefits

- **Molecular-Level Healing: Bio-Photonic Interface with 9.36µm Resonance.**
- **Energy-Driven Recovery: Embedded LAE™ (Light Activated Energy) Particles.**
- **Circulatory Optimization: Resolves Stasis & Enhances Micro-Perfusion.**
- **Advanced Protection: Bio-Compatible, Non-Cytotoxic Shield.**
- **Burn Care Excellence: Optimal for Thermal & Post-Burn Tissue Regeneration. Suitable for 1st, 2nd, 3rd degree burn.**
- **Rapid Intervention: Designed for Accelerated Wound Closure.**



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WHY PARTNER WITH US?

Global Vision & Brand Influence
We deliver premium, internationally competitive products designed to accelerate your market recognition and elevate your brand presence.

Profitable Growth & Market Protection
With a robust pricing architecture and strict regional market protection policies, we guarantee secure and maximized returns on your investment.

Comprehensive Technical & Marketing Support
We empower your business with expert product training, professional marketing assets, and a fully supportive after-sales service system.

Flexible & Innovative Partnership Models
Whether through distribution, agency, or project-based collaboration, we tailor the perfect business model to fit your unique goals.



A Mission Beyond Business:
Protecting Lives Where It Matters Most.

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Unbeatable Rapid Haemostatic Dressing
Reengineering Survival, Seconds Matter.

Manufacturer

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