

# WOUNDCLOT™

## Advanced Bleeding Control™

### Effectively control bleeding in pre-hospital trauma with WoundClot Trauma

#### Indications for Use

WoundClot Trauma is a CE Class IIb, next generation haemostat, effective in the management of mild, moderate, and severe bleeding from traumatic injuries.

WoundClot Trauma can remain at the wound site for up to 24 hours and must be removed prior to primary closure.

## MECHANISMS OF ACTION

When WoundClot Trauma is applied to the site of bleeding, it rapidly converts from a dry flexible structure to a thick, tenacious, expanding 3D gel matrix. This stable, strong, and pliant gel structure enables rapid and stable haemostasis to be achieved utilising multiple mechanisms of action.

**Absorption:** WoundClot Trauma absorbs up to 2,500% of its weight in blood and remains actively absorbent for up to 24 hours.

**Adhesion:** WoundClot Trauma's pliant 3D gel matrix adheres to surrounding tissues in the wound and will not be dislodged by patient movement, wound manipulation, or high-pressure bleeding.

**WoundClot**

**Trauma** is easily removed without causing rebleeding.

**Aggregation:** WoundClot Trauma enables the concentration of platelets, red blood cells, and clotting factors, creating an environment conducive to clotting.

**Activation:** WoundClot Trauma's advanced functional molecular groups stimulate the coagulation process by converting Plasma Thromboplastin Antecedent/PTA (XI) and Hageman (XII) clotting factors from inactive to active (XIa and XIIa).



## Additional Features and Benefits of WoundClot Trauma include:

- Does not require the application of manual pressure to be effective.
- Actively absorbent for up to 24 hours in the wound.
- Simple to use and requires minimal training to be utilised effectively.
- A high safety profile and has no contraindications.
- Can be used anywhere on the body.
- Available in a variety of sizes and conforms and adheres to any anatomical shape effectively.
- Zero toxicity – no harmful side effects or residues.
- Does not stick to gloves or instruments.
- Effective in patients in Coagulopathy.
- Effective in patients on anticoagulant/antiplatelet therapy.

# FREQUENTLY ASKED QUESTIONS

## What is WoundClot Trauma made from?

WoundClot Trauma is made from cellulose, a natural fibre product. WoundClot Trauma is the only Non-Oxidized, Non-Regenerated Cellulose Structure (NONRCS) product in the world. Other haemostatics made from cellulose are manufactured utilising a method that breaks down cellulose by oxidization. These products have reduced abilities to absorb blood, adhere to wound surfaces, and create an environment that is conducive to achieving haemostasis compared to WoundClot Trauma.

## What is the active ingredient in WoundClot Trauma?

Due to its unique patented manufacturing process, WoundClot Trauma does not require an “active ingredient”. The material itself is engineered to be inherently haemostatic.

Other haemostatics are made using a synthetic or natural substrate impregnated with an active ingredient like Kaolin, Chitosan, Collagen, Silica, or Thrombin.

## How does WoundClot Trauma Work?

- When WoundClot Trauma contacts blood, it converts into a thick, tenacious, expanding gel, adhering to wound surfaces.
- WoundClot Trauma does not require the application of manual pressure to be effective.
- WoundClot Trauma is highly absorbent and will absorb up to 2,500% of its weight in fluid. It also remains actively absorbent for up to 24 hours in the wound. The product is engineered so it will activate two key clotting factors.
- WoundClot Trauma has a high safety profile can be used anywhere on the body and requires little to no training to be utilized effectively.



## Does WoundClot Trauma work on the clotting cascade?

Yes, WoundClot Trauma is engineered to activate Factors XI and XII to achieve rapid haemostasis.

## How easily is WoundClot Trauma removed from wounds?

WoundClot Trauma is easily removed from a wound by simply removing the clot. Rebleeding will not occur and any remaining gel can be easily irrigated out of the wound.

## What is the shelf life of WoundClot Trauma?

WoundClot Trauma has a 3-year shelf life.

# WOUNDCLOT TRAUMA VS. OTHER HAEMOSTATIC TECHNOLOGIES COMPARISON GUIDE

Desirable Characteristics	WoundClot	Mineral Based Haemostatics	Chitosan Based Haemostatics	Oxidized Regenerated Cellulose (ORC) Based Haemostatics
Free from toxicity or side effects.	YES	NO	NO	NO
Effective adherence to wound in the presence of high pressure bleeding.	YES	NO	NO	NO
Easily removed without causing rebleeding.	YES	NO	NO	NO
Does not require the use of manual pressure to be effective	YES	NO	NO	NO
Cost Effective	YES	NO	NO	NO

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## WOUNDCLOT TRAUMA IS AVAILABLE IN THESE SIZES

10 cm x 10 cm  
Order Code 102111101

8 cm x 20 cm  
Order Code 102182101

8 cm x 100 cm  
Order Code 102181101

20 cm x 30 cm  
Order Code 102123101