

The next-generation  
**Hemostatic Gauze**



**WOUNDCLOT®**  
Advanced Bleeding Control™



# Presentation

## Outline:

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4. WoundClot vs. Competitors
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# What is WoundClot®?

WoundClot® is a next Generation Non-Oxidized  
Non-Regenerated Cellulose Structure (NONRCS)  
Hemostatic Gauze



# Indications For Use

WoundClot® Hemostatic Gauze is an FDA cleared, next generation hemostatic gauze engineered to be effective in the management of mild, moderate, and severe bleeding.

WoundClot® is also effective in the temporary management of severe bleeding during surgical procedures as well as postoperative and donor-site bleeding.

# NOT A “ME TOO” PRODUCT

**WOONDCLOT®**

Advanced Bleeding Control™

Hemostatic Categories	Overview	Details
<b>Oxidized Regenerated Cellulose</b>	77+ Year Old Technology Cellulose Product	<ul style="list-style-type: none"> <li>● Surgicel (Nu-Knit, Fibrillar, Original)</li> <li>● Oxycel / ActCel / Hemostyp, GelitaCel</li> </ul>
<b>Mineral Based</b>	Kaolin / Zeolite / Silica	<ul style="list-style-type: none"> <li>● QuikClot (Original Combat Gauze)</li> <li>● QuikClot Control +</li> </ul>
<b>Chitosan Based</b>	Shellfish	<ul style="list-style-type: none"> <li>● Celox</li> <li>● Hemcon</li> <li>● ChitoSAM</li> <li>● TraumaStat</li> </ul>
<b>Polysaccharide Based</b>	Plant Starch	<ul style="list-style-type: none"> <li>● Arista AH</li> <li>● Perclot</li> <li>● Vitasure</li> </ul>
<b>Gelatin Based</b>	Porcine Derived Products	<ul style="list-style-type: none"> <li>● Gelfoam</li> <li>● Surgifoam</li> <li>● Ultrafoam</li> </ul>
<b>Collagen Based</b>	Bovine Derived Products	<ul style="list-style-type: none"> <li>● Avitene</li> <li>● Actifoam</li> <li>● Helisat</li> <li>● Pahacel</li> </ul>
<b>Flowable Hemostatics</b>	Bovine Derived & Thrombin Porcine Derived & Thrombin	<ul style="list-style-type: none"> <li>● Floseal (Bovine Gelatin &amp; Thrombin)</li> <li>● Surgiflo (Porcine Gelatin &amp; Thrombin)</li> </ul>

## Stands Alone:

The Only Non-Oxidized Non-Regenerated Cellulose

The Patented Technology Is The Only Of Its Kind On The Market

# A COMPLETELY DIFFERENT PRODUCT

**WOONDCLOT®**






Advanced Bleeding Control™

Hemostatic Categories	Details	
<b>Oxidized Regenerated Cellulose</b>	<ul style="list-style-type: none"> <li>● Designed for MINOR bleeding</li> <li>● Long history of adverse reactions</li> </ul>	<ul style="list-style-type: none"> <li>● Contraindicated for pooled blood or high-pressure bleeding</li> </ul>
<b>Mineral Based</b>	<ul style="list-style-type: none"> <li>● Requires heavy pressure</li> <li>● Single mechanism of action</li> </ul>	<ul style="list-style-type: none"> <li>● Uses inorganic mining byproduct</li> <li>● Non-bioabsorbable</li> </ul>
<b>Chitosan Based</b>	<ul style="list-style-type: none"> <li>● Denatured crustacean shells</li> <li>● Risk of allergic reactions</li> </ul>	<ul style="list-style-type: none"> <li>● Single mechanism of action</li> <li>● Requires heavy pressure</li> </ul>
<b>Polysaccharide Based</b>	<ul style="list-style-type: none"> <li>● Not for heavy bleeding</li> <li>● Many contraindications listed</li> </ul>	<ul style="list-style-type: none"> <li>● Single mechanism of action</li> <li>● Requires heavy pressure</li> </ul>
<b>Gelatin Based</b>	<ul style="list-style-type: none"> <li>● Not for heavy bleeding</li> <li>● Many contraindications listed</li> </ul>	<ul style="list-style-type: none"> <li>● Adverse reactions reported</li> <li>● Requires heavy pressure</li> </ul>
<b>Collagen Based</b>	<ul style="list-style-type: none"> <li>● Not for heavy bleeding</li> <li>● Many contraindications listed</li> </ul>	<ul style="list-style-type: none"> <li>● Adverse reactions reported</li> <li>● Requires heavy pressure</li> </ul>
<b>Flowable Hemostatics</b>	<ul style="list-style-type: none"> <li>● No moderate or heavy bleeding</li> <li>● Risk of intravascular clotting</li> </ul>	<ul style="list-style-type: none"> <li>● Anaphylaxis or systemic reaction risk due to human thrombin</li> </ul>

- No adverse reactions
- Excels in high-pressure bleeding (+mild & moderate bleeding)
- 4 Mechanisms of Action
- No Active Ingredient –completely inert – used anywhere on the body
- Works immediately on contact with blood – little to no pressure needed



# COMPELLING BENEFITS

Category	Details
 Technology	<ul style="list-style-type: none"><li>● No active ingredient</li><li>● Engineered at molecular level to be hemostatic – NEW BASE TECHNOLOGY</li><li>● Utilizes 4 distinct mechanisms of action to stop bleeding</li></ul>
 Safety Profile	<ul style="list-style-type: none"><li>● Highest safety profile on the market</li><li>● Can be used anywhere on the body for any patient</li><li>● Zero toxicity – No harmful side effects or residues (Class III implantable in the E.U.)</li></ul>
 Physician Utility	<ul style="list-style-type: none"><li>● Does not stick to gloves or instruments</li><li>● Requires little to no pressure to be effective</li><li>● Does not cause re-bleeding when removed</li></ul>
 Performance	<ul style="list-style-type: none"><li>● Rapidly achieves hemostasis once in contact with blood</li><li>● Adheres and is not dislodged by manipulation or high-pressure bleeding</li><li>● Can be used for mild, moderate, and severe bleeding situations (Broadest on the market)</li></ul>
 Cost Competitive	<ul style="list-style-type: none"><li>● Significantly more cost effective than competitors</li><li>● Reduces # of SKUs to be kept on hand</li><li>● Improves positive patient outcomes reducing patient hospital-stay times</li></ul>



# How Does WoundClot® Work?

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

# WoundClot®

## Mechanisms of Action:

**Absorption:** WoundClot®'s 3D gel matrix absorbs up to 2,500% of its weight in blood and remains actively absorbent for up to 24 hours.

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**Adhesion:** WoundClot®'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® is easily removed without causing rebleeding.

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**Aggregation:** WoundClot®'s 3D gel matrix enables the concentration of platelets, red blood cells, and clotting factors, creating an environment conducive to clotting.

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

**Other  
WoundClot®  
Features  
Include:**

Does not require the application of manual pressure to be effective.

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Effective on patients on Anticoagulant/Antiplatelet therapy.

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Effective on patients in Coagulopathy.

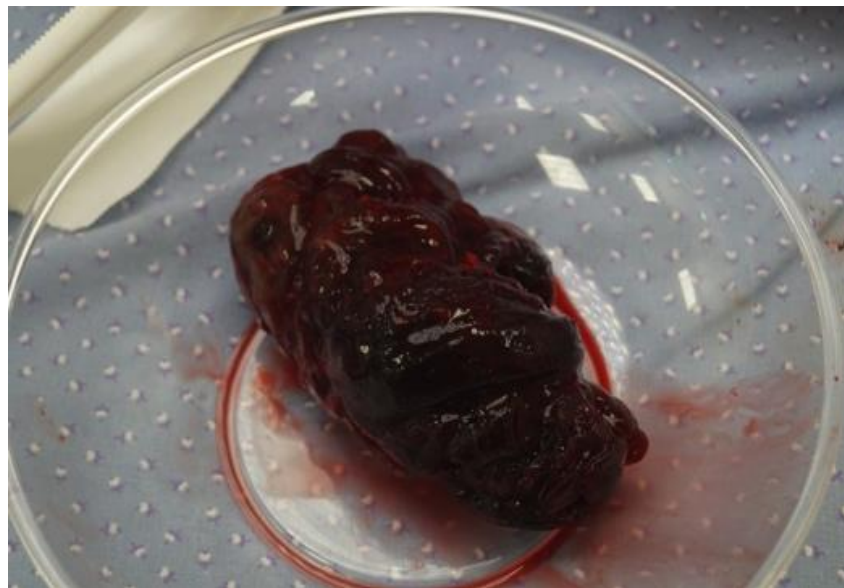
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Does not have restrictions on where it can be utilized.

# Quick Product View



Saturated Combat Gauze



WoundClot® Converted to Gel

# WOUNDCLOT® HEMOSTATIC GAUZE VS. OTHER HEMOSTATIC TECHNOLOGIES

## COMPARISON GUIDE

Desirable Characteristics	WoundClot®	Mineral Based Hemostatics (Kaolin, Smectite, Zeolite, etc.)	Chitosan Based Hemostatics	Oxidized Regenerated Cellulose (ORC) Based Hemostatics
No 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
Biodegradable / Bioabsorbable	YES*	NO	NO	YES**
Does not require the use of manual pressure to be effective	YES	NO	NO	NO
Cost Effective	YES	NO	NO	NO

\*CE Class III approved | \*\*Even though ORC products indicate they are FDA approved for bio-absorption and surgical use, their instructions recommend removal prior to closure whenever possible and not to be used for excessive bleeding

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# Regulatory Approvals

FDA: Unclassified and cleared for the effective control of mild, moderate, and severe bleeding. Temporary control of severe bleeding from surgical/operative, post operative, and donor sites.

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FDA cleared Over the Counter sales for topical use.

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CE Class III: Surgical implantable, control of severe bleeding. (5 cm x 5 cm, 5 cm x 7.5 cm, 10 cm x 10 cm)

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CE Class IIb: Temporary control of severe bleeding from traumatic injuries. (8 cm x 20 cm and 8 cm x 100 cm)

# Company Overview

Core Scientific Creations was founded in 2012 to solve the on-going challenge of bleeding control. With an experienced and motivated team, the company's first product, WoundClot® was developed, patented and through clinical trials declared to be a game-changing product.

Approved across the spectrum in Europe and then followed U.S. approvals, Core Scientific Creations has received praise and enthusiasm from both providers and patients regarding WoundClot®'s extraordinary performance and cost competitiveness. Based in Westlake Village, California and with compelling use-cases across both trauma and surgical, the team engages forward-thinking hospitals, EMS providers, and government agencies.

While driving growth, Core Scientific Creations continues to research and develop value-adding product derivatives incorporating WoundClot®'s unique technology to drive new patient outcomes. With a specific and nuanced focus on the bleeding control space, Core Scientific Creations is excited to lead change that broadly and deeply impacts the global healthcare community.