



Saving lives

Battlefield medic



Battlefield hemostasis

Chitosan material products are the third-generation hemostats CoTCCC approved for battlefield use. Carboxymethyl Chitosan(CM-Chitosan) material products are the third pro-generation hemostats.

Standard Chitosan

Hemostatic Granules

Rapid Clotting: Fluid absorption within 60s≥10times.

Available Size:
1g 2g 3g 6g 9g 15g 20g
25g.../Pouch

Shelf Life: 3 years



Premium CM-Chitosan

Hemostatic Granules

Rapid Clotting: Fluid absorption within 30s≥10times.

Available Size:
1g 2g 3g 6g 9g 15g 20g
25g.../Pouch

Shelf Life: 3 years



Standard Chitosan

Hemostatic Granules Applicator

1.Applicator delivery system for Chitosan Granules to deep penetrating wounds.
2.Get straight to the source of bleeding.

Available Size:
Granules:6g
Applicator/Plunger Set

Shelf Life: 3 years



Premium CM-Chitosan

Hemostatic Granules Applicator

1.Applicator delivery system for CM-Chitosan Granules to deep penetrating wounds.
2.Get straight to the source of bleeding.

Available Size:
Granules:6g
Applicator/Plunger Set

Shelf Life: 3 years



Standard Chitosan

Z-fold Hemostatic Gauze

1.Z-fold Gauze coated with Chitosan hemostatic granules.
2.Easy to apply and remove.

Available Size:
Z-fold: 7.5*150cm
7.5*180cm 7.5*300cm
Rolled: 7.5*150cm
7.5*180cm 7.5*300cm

Shelf Life: 3 years



Standard Chitosan

Hemostatic Gauze Pad

1.Gauze coated with Chitosan hemostatic granules.
2.Design for small but moderate to severe bleeding wounds.

Available Size:
7.5*10cm 7.5*7.5cm
8*8cm 10*10cm

Shelf Life: 3 years



Battlefield hemostasis

Easy to use, Stop severe bleeding fast!

Bleeding and blood loss are the main reasons of people death in military conflicts, natural disasters, and accidents.

Hemostatic Gauze/Granules are specially designed to be used in lethal bleeding situations, especially in battlefield and conflict zones.



**Arterial & Venous
Bleeding**



Gunshot Wounds



Blast Injuries



**Puncture or Stab
Wounds**

Battlefield hemostasis

Why chitosan materials are better?

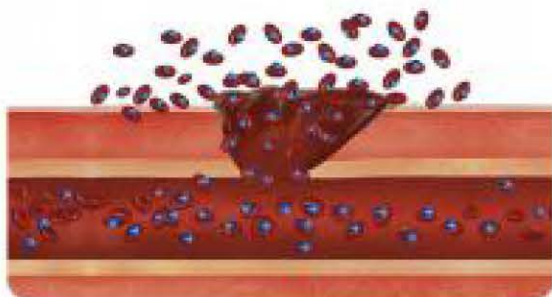
Chitosan material products are the third-generation hemostats CoTCCC approved for battlefield use. **Carboxymethyl Chitosan (CM-Chitosan)** material products are the third pro-generation hemostatic products.

<i>Manufacturer</i>	<i>Generation</i>	<i>Mechanism of action</i>	<i>Form</i>
HemCon bandage, HemCon Medical Technologies, Portland, OR	1st	Cross links RBCs to form mucoadhesive barrier	4 x 4 inch wafer; 2 x 2 inch single-sided wafer
QuickClot granules, Z-Medica, Wallingford, CT	1st	Rapidly adsorbs water in an exothermic reaction to concentrate clotting factors	Granular zeolite (volcanic rock)
QuickClot combat gauze, Z-Medica, Wallingford, CT	2nd	Contact between kaolin and blood immediately initiates the clotting process by activating factor XII of the clotting cascade	Gauze impregnated with kaolin, an inorganic mineral
Celox gauze, MedTrade Products Ltd, Crew, United Kingdom	3rd	Cross-links RBCs to form mucoadhesive barrier	Chitosan rolled gauze Z-fold, 3 in x 10 ft
ChitoGauze Pro, HemCon Medical Technologies, Portland, OR	3rd	Cross-links RBCs to form mucoadhesive barrier	Chitosan gauze Z-fold, 12 ft length
XStat, RevMedx Inc, Wilsonville, OR	3rd	Cellulose sponges coated with chitosan to assist with a mucoadhesive barrier	92 flat, circular, compressed mini sponges packaged in a 60-mL syringe applicator

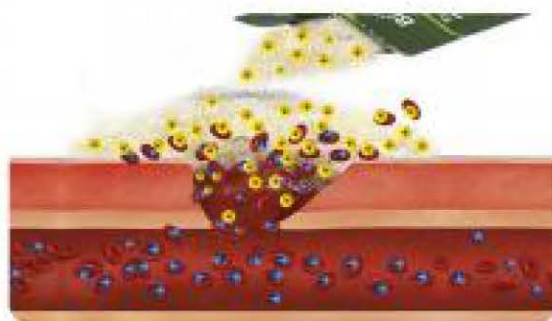
Products Catalog		
Standard Grade (Chitosan)	Granules	1g 2g 3g 6g 9g 15g 20g 25g...
	Granules Applicator	6g
	Gauze Pad	7.5*10cm/7.5*7.5cm/8*8cm/10*10cm...
	Z-fold Gauze	7.5*150cm/7.5*180cm/7.5*300cm...
	Rolled Gauze	7.5*150cm/7.5*180cm/7.5*300cm...
Premium Grade (CM-Chitosan)	Granules	1g 2g 3g 6g 9g 15g 20g 25g...
	Granules Applicator	6g

Battlefield hemostasis

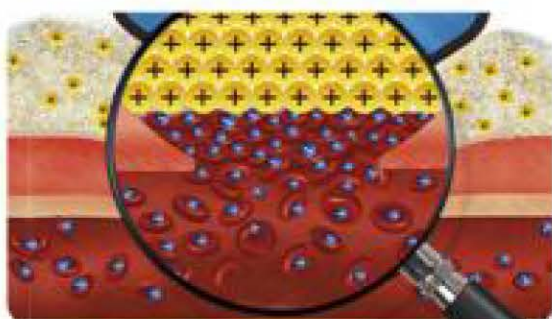
How it works



Open Wound



Use Gauze/Granules



Chitosan coagulates blood



Clotted

We apply a high-quality chitosan potentiated technology to produce fast-acting, safe and highly effective hemostats.

When placed directly into a bleeding wound and subjected to pressure, the positively charged chitosan crosslinks with negatively charged red blood cells, forming a stick clot that blocks blood flow. This clot sticks well to wound tissue to plug the bleeding site.

Battlefield hemostasis



Military rotary tourniquet

Specification

Material: Nylon

Size: 3.8 * 95cm (Customizable)

Weight: 90g

Colors: black, red, military green, blue (Customizable)

Usage: Mainly used to stop bleeding in the arteries or veins of the limbs, and can also be used for accidental injuries.



Tactical medical kit

**Application scenario:
Individual battlefield
medical treatment**

Product name: Individual medical kit

Fabric: 900D Oxford waterproof fabric

Size: 20cm * 15cm * 9cm

Weight: 0.25KG

Colors: khaki, military green, red, orange, black, CP camouflage, ACU camouflage



All colours



Tactical medical kit

**Application scenario:
Battlefield medical
treatment**



Product name: Individual medical kit

Fabric: 900D Oxford waterproof fabric

Size: 22cm * 17cm * 11cm

Weight: 0.3KG

Colors: khaki, military green, black, CP camouflage,



All colours



Rescue stretcher



Product name: Portable soft stretcher

Fabric: Thickened nylon fabric

Roller material: plastic

Size: 170cm * 70cm

Product weighing: 135KG

Scope of application: Battlefield rescue, mountain rescue, sea rescue

Colors: Blue, orange, camouflage

Product features: storable, sturdy and durable, suitable for various rescue situations



Rescue stretcher



Fabric material: thickened canvas fabric

Fabric color: blue, orange, camouflage

Roller: 2 pieces

Safety belts: 2 pieces

The load-bearing capacity of aluminum alloy stainless steel is $\leq 150\text{kg}$

Unfold size (length \times wide \times Height: 200 * 54 * 18cm

Usage: Battlefield rescue, mountain rescue, water rescue



Transport ventilator set



Product features:

- Structural impact resistance, suitable for harsh environments
- Optional remote data transmission function for data exchange with the ventilator through wireless network
- Anti glare LCD, 180 degree no dead angle, with day and night display modes
- Adopting Swiss high-precision electromagnetic valve control technology, with excellent performance
- Passed EU EN1789 external vehicle testing, resistant to falls and shocks
- One click setting, fast and convenient, improving rescue efficiency
- Long endurance, equipped with rechargeable batteries, supporting online charging
- The oxygen concentration is continuously adjustable, greatly extending the service life of gas cylinders

Medical supplies drone



What makes this drone special?

This is a high-performance medical/logistics supply drone. The flight power adopts a 6-rotor design, and the entire machine is connected by a quick detachable interface structure.

It can simultaneously carry three types of payload equipment, making it convenient and flexible to use. The body adopts a plug and play wireless connection structure, with AI recognition, locking, and tracking capabilities. Can mount line wheels to deliver loads without damage and perform fast transportation and delivery tasks. The model supports single machine or cluster operations in various complex terrains.

Field medical vehicle

Military medical vehicle



Field medical vehicle

What is this medical vehicle about?

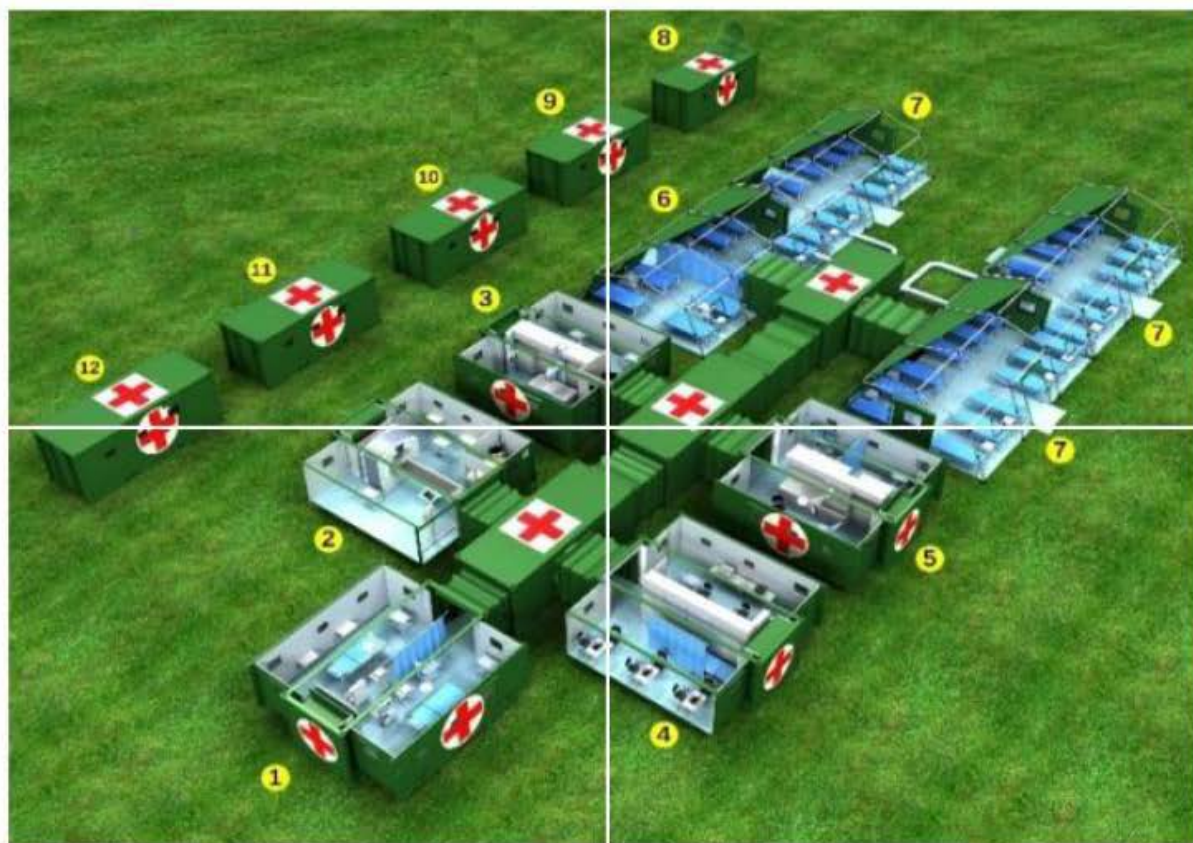
This military medical vehicle can be customized as an X-ray vehicle, health emergency vehicle, biological inspection vehicle, field surgery vehicle, medical command vehicle, military remote consultation vehicle, military cabin ambulance, etc. according to requirements. It is an emergency medical vehicle suitable for battlefield environments. The operating room equipped on this car can meet the standard of Class II clean operating room (Class 1000) and can perform two surgeries simultaneously. The car is equipped with an embedded instrument cabinet, induction hot water, onboard air conditioning, human-machine coexistence air disinfection and oxygen supply system; Equipped with professional medical equipment and instruments such as a multifunctional operating bed, surgical shadowless lamp, anesthesia ventilator, high-frequency electric knife, monitor, defibrillator, blood recovery machine, video laryngoscope, high-pressure sterilization pot, electric suction device, micro injection pump, surgical instrument kit, etc.



Medical integration solution



Field Hospital Solution



Field Hospital shelter plan



Customized full set of medical equipment

Field Hospital Solution

Field hospital is a mobile medical treatment facility that is temporarily established close to combat zones during wars or armed conflicts. As a critical component of emergency medical support on the battlefield, the field hospital aims to provide urgent trauma care and stabilization for casualties as near to the frontlines as feasible.

Main features:

- Uses tents or simple structures for treatment and ward areas.
- Equipped with generators and portable power sources independent of fixed infrastructure.
- Carries basic medical equipment like surgical tables, X-rays, for initial diagnosis and procedures.
- Stocks essential supplies such as IV drips, blood bank, materials.
- Has isolation areas for infectious patients.

By bringing basic medical care directly to the point of need, field hospitals fulfill a vital role in minimizing loss of life on the battlefield. Their mobile facilities enable urgent trauma management and lifesaving intervention under highly demanding circumstances.



Field Hospital Solution



Tents
laying on
the site



Another
application



Another
application

Field Hospital Solution

we can not only provide the design scheme of field hospital, but can also cover a complete set of medical equipment supply, shelter construction, and more. we can fully cover the task of contracted construction.

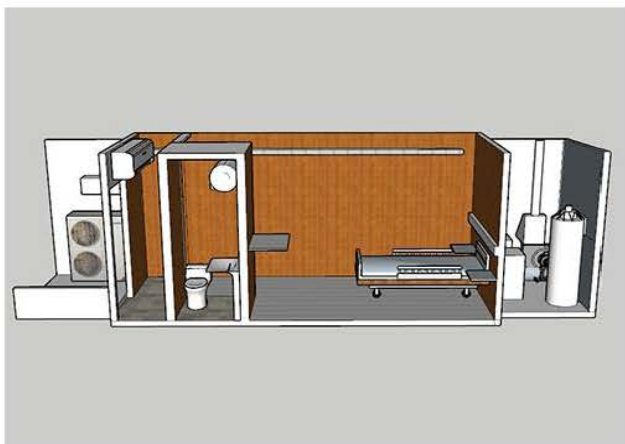


Benin



Benin
Friendship
School

Mobile cabin hospital solution



Plan simulation rendering



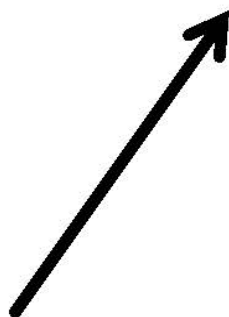
Side simulation rendering



Side simulation rendering



Mobile cabin hospital arranged on the field

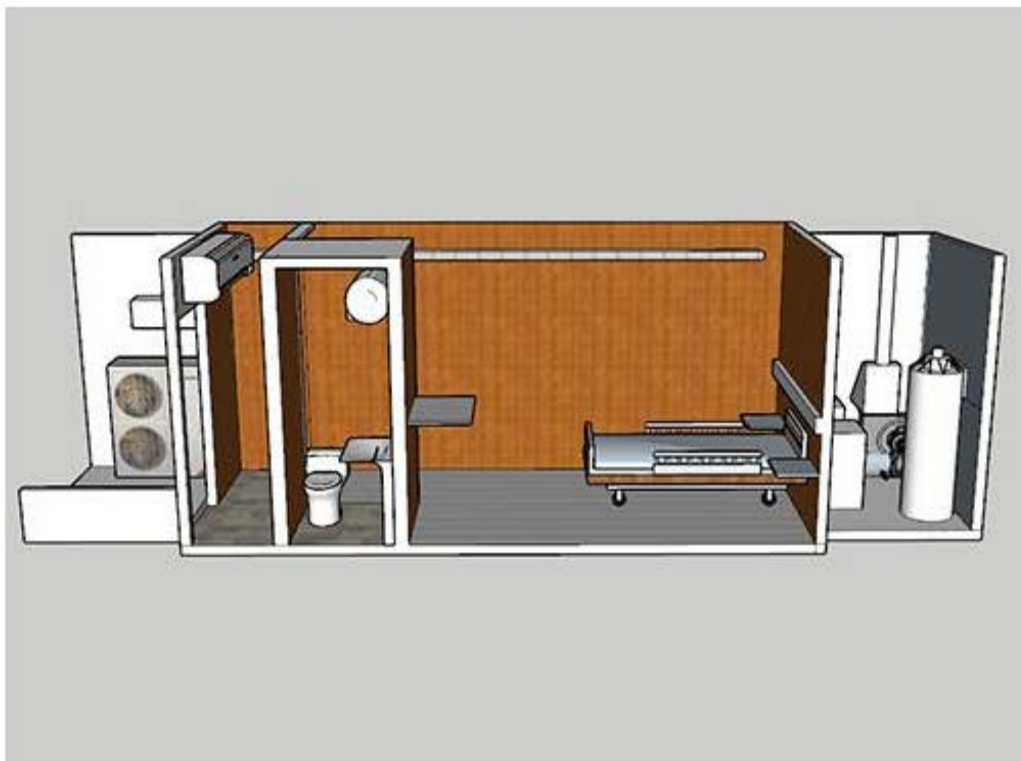


Mobile cabin hospital solution

The solar powered smart medical cabin is mainly used for achieving fast isolation when critically ill patients require negative pressure isolation. This product can quickly layout. This product can be widely used for disease control, hospitals, subways, airports, high-speed trains, train stations and other entrances and exits.

Functional highlights

- Medical staff operate inside the cabin, with high comfort in air conditioning temperature control. Equipped with medical three gas equipment for convenient application.
 - Indoor 24-hour plasma air disinfection and sterilization, and waste gas is safely discharged after disinfection and filtration.
- Indoor negative pressure effectively isolates external viruses from entering the cabin through air, ensuring cleanliness of the cabin air.
- Solar powered plasma 24-hour disinfection and sterilization, human-machine coexistence, UVC timing sterilization, dual Security guarantee.



Heal the world

