

ChitoClot Bandage

First Aid Series 

Chitosan non-woven layer inside of AnsCare ChitoClot Bandage accelerates the formation of blood clots and shows excellent effect on rapid hemorrhage control caused by trauma. The process minimizes the risk of infection, losing excessive blood and scarring.

- 100% Chitosan non-woven layer inside which instantly activates the blood coagulation upon contact
- Excellent effect on rapid hemorrhage control (External Use Only)
- Provide a wet-surrounding for wound care which assists natural healing
- Easy to use
- Low risk of infection



Specifications

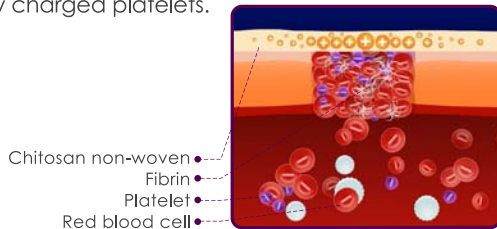
Composition	100% Chitosan-based non-woven with adhesive back sheet
Back sheet	Elastic back sheet / Transparent back sheet
Absorption rate	>12X
Sterilization	γ -ray Sterilization

Applications

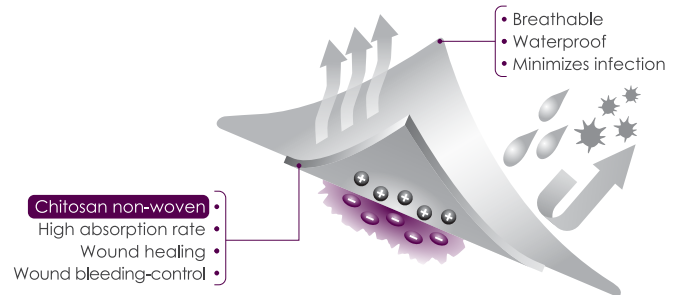
EMS, Wilderness rescue, Industrial and Occupational safety, Sports, Personal and Home care
Types of Wounds: Abrasion, Cuts, Lacerations, Stab injuries, Penetrating trauma, Bruises, First and second degree burns

Blood Coagulation Mechanism of Chitosan

With chitosan cation ($-NH_3^+$), AnsCare ChitoClot Gauze can actively accelerate blood coagulation by attracting negatively charged platelets.



Product Structure



Animal Experiment

The Acute Open Wound Healing Effect Study of Chitoclot Bandage and Other Commercially Available Wound Dressings In this study, we use Sprague Dawley rat as our animal model to study the wound healing effect of our ChitoClot Bandage as compared with the effect of other commercially available wound dressings. A 1.5 x 1.5 cm² open wound, deep to the muscle layer, was created on the back of rat using scalpel, and a piece of ChitoClot Bandage or other dressings was applied onto the wound.

As shown in (Fig1 and 2), the ChitoClot Bandage demonstrated superior wound contraction effect than other dressings (regular gauze, Ag-alginate dressing, and hydrogel dressing) in early healing phase (day 1~3), and no any dispersed, residue, or stain observed as Chitoclot Bandage removed. From the histological evaluation, the ChitoClot Bandage shows better epidermal regeneration, angiogenesis, and high-density of tissue regeneration, as compared with other dressing groups (Fig 3). (National Dong Hwa University, Taiwan)

Fig 1. Observation of the rat wound healing process

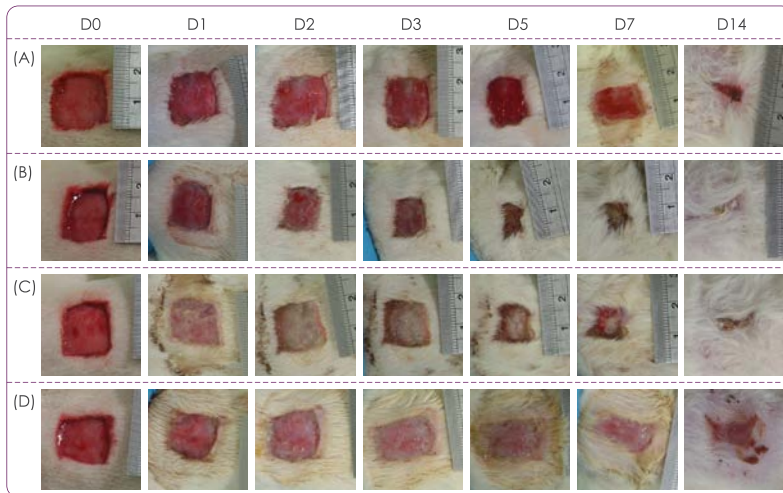


Fig 2. Ratio of healed wound area

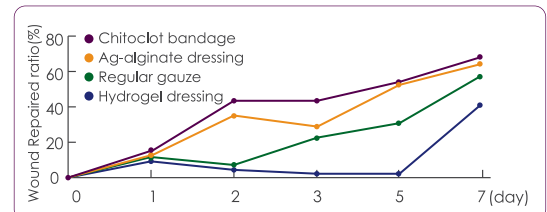
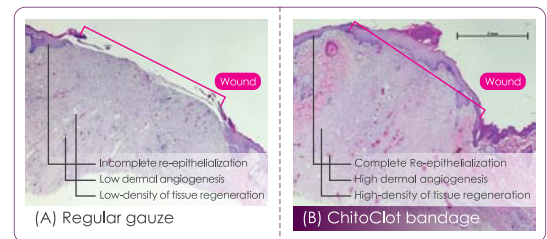


Fig 3. Results of histological section image



Order Information

Elastic Back Sheet

CB-402-1 (5cm x 5cm / 2.5cm x 1.7cm - Arcuate)

CB-402-2 (6cm x 4cm / 3.5cm x 2cm - Rectangular)

CB-402-3 (8cm x 5cm / 5cm x 2.5cm - Rectangular)

CB-402-4 (10cm x 8cm / 6cm x 4cm - Rectangular)

CB-402-5 (12cm x 10cm / 7cm x 5cm - Rectangular)

CB-402-6 (13cm x 10cm / 9cm x 5cm - Rectangular)

Transparent Back Sheet

CB-412-1 (5cm x 5cm / 2.5cm x 1.7cm - Arcuate)

CB-412-2 (6cm x 4cm / 3.5cm x 2cm - Rectangular)

CB-412-3 (8cm x 5cm / 5cm x 2.5cm - Rectangular)

CB-412-4 (10cm x 8cm / 6cm x 4cm - Rectangular)

CB-412-5 (12cm x 10cm / 7cm x 5cm - Rectangular)

CB-412-6 (13cm x 10cm / 9cm x 5cm - Rectangular)

CB-412-7 (20cm x 6cm / 17cm x 3cm - Rectangular)

