

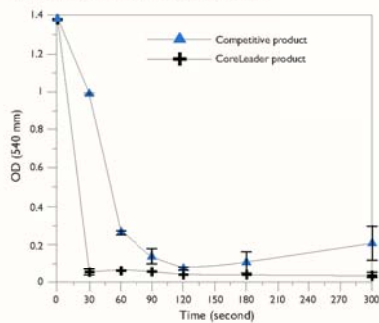
CoreLeader

Hemo-Pad (Chitosan Sponge)



Product Overview

The Coreleader wound dressing is the very first wound dressing product that has been developed and introduced by CoreLeader. It is manufactured through an unique patented production process which enhances the desirable effectiveness. It reduces the time normally required for a hemorrhage or an external trauma.



Coreleader wound dressing efficient clotting in blood produces a clot in less than 30 seconds.

Target Wound

- Arterial hemorrhage
- The trauma with medium to large volume of exudates
- Hemostasis on cardiac catheterization or artificial blood vessels
- Burning injuries
- Diabetes fester
- Vein ulcers
- Severe exudation or deep wounds
- Regular bleeding wounds but a faster healing is expected

CoreLeader Hemo-Pad (Chitosan Sponge)

Features

The CoreLeader wound dressing is made from natural organic chitosan. It characteristically carries cation (positively charged ion) such as $-NH_3^+$ that helps to stop external hemorrhage. The study shows that the cations attached to the surface of CoreLeader wound dressing accelerate the movement of erythrocyte and platelet that carry anions (negatively charged ions) to the bleeding site. While stopping the bleeding, the CoreLeader wound dressing also forms an antibacterial layer to deter the undesirable infection of the wound. In addition, it has superb ventilation texture and high absorption ability that are compatible to human skin.

- The CoreLeader wound dressing can rapidly trigger the blood coagulation (either stopping bleeding or controlling hemorrhage. It works well and fast toward hemostasis even in the presence of anticoagulant, ex. Heparin).
- The CoreLeader wound dressing is soft and flexible that can be comfortably attached to skin and seal the wound. It could keep the wound sterilized for as long as seven days.
- The CoreLeader wound dressing deploys an antibacterial layer on the trauma.
- The CoreLeader wound dressing does not trigger immunoreactions or any other known side effects.
- The CoreLeader wound dressing works well on arterial hemorrhage.
- The CoreLeader wound dressing fits any portion of the skin. It is safe and convenient.
- The CoreLeader wound dressing does not adhere to the epidermis or to the wound. After removing the dressing, normal saline can sufficiently clean the wound was treated.
- Reduce the blood loss and treating effort plus time saving.

Detail product benefits:

1. Fast Blood Coagulation

The coagulating cascade activated by the cations on CoreLeader's chitosan and the anions on red blood cells and platelets is faster than those obtained from our competitors. The study shows it can rapidly cause blood clotting and stop the hemorrhage. The hemeostasia of CoreLeader wound dressing is not affected by the anti-coagulating agents in the blood.

2. 35 times High Absorbance

The sizes of the holes on CoreLeader wound dressing are approximately 100~300 μ m. The porosity of CoreLeader wound dressing aims at fast absorption of large volume of fluid from injuries. It has been proved to be effective in absorbing exudates and hence. As the exudates are absorbed, the CoreLeader wound dressing can hold the moisture on top of the wounded areas for as long as 7 days. It has also been demonstrated the porosity could allow higher ventilation over the injured sites and more oxygen through the skin. This course of action stimulates the healing process.

3. Deployment of a tender and antibacterial layer on wounds

The cations on the surface of the CoreLeader wound dressing generate germicidal effect which keeps less infections and reduces pain from the wounds. The dressing does not adhere to the epidermis or to the wounds. Therefore, the dressing could be removed easily whenever the treatment is required. Moreover, due to the flexibility and elasticity, the patients feel more comfort when CoreLeader wound dressing adheres to the skin.

4. Biocompatibility

Through various tests and studies on cell toxicity, hemolysis, acute/subacute toxicity, and skin irritation, the CoreLeader wound dressing is proved to be non-toxic with high biocompatibility to human.



Specification

Coreleader Hemo-Pad (Chitosan Sponge)

Code	Description(cm)
CPII02030	2 × 3
CPII02060	2 × 6
CPII05060	5 × 6
CPII-C08025	0.8 × 2.5 (Cylindrical)
CPII-C15025	1.5 × 2.5 (Cylindrical)

Manufacturer: Coreleader Biotech Co., Ltd.

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