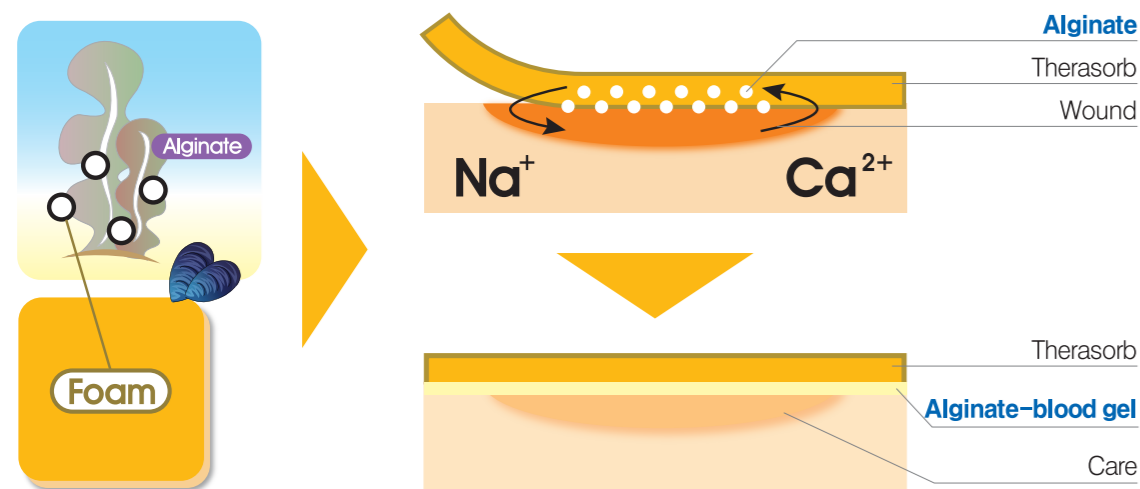


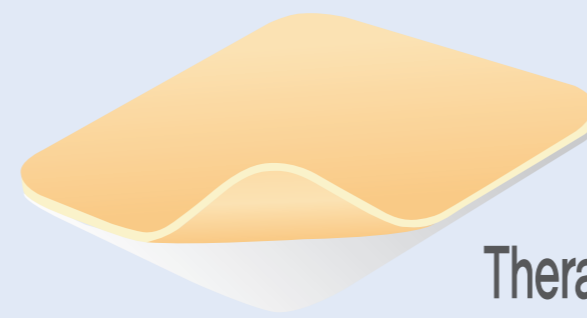
Alginate Dressing + Polyurethane Foam Dressing
New Hybrid Wound Dressing

Therasorb Algiplus Dressing

Therasorb ? It has improved on the shortcomings of existing Alginate dressing and is a hybrid of both Alginate and polyurethane foam dressing by having their respective advantages combined. It contains Sodium Alginate, the absorbency of exudation is excellent, maintains proper humidity and is a moist environment dressing that inhibits the creation of wound scab. the product is easy-to-change because it does not leave any residue, unlike currently available alginate dressings.



- Alginate is composed of alginic acid, which is extracted from brown algae
- Alginate absorbs 15–20 times its molecular weight worth of exudate
- Alginate forms alginate–blood gel upon contacting blood from the wound, and exchanges ions with exudate from the wound to facilitate hemostasis

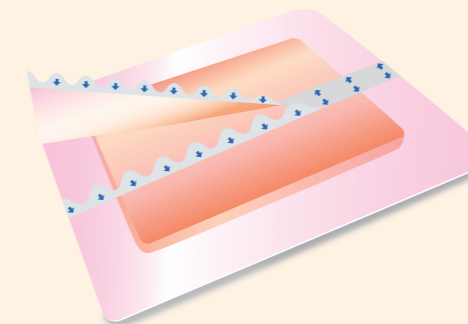


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Therasorb Algiplus Hydrophilic

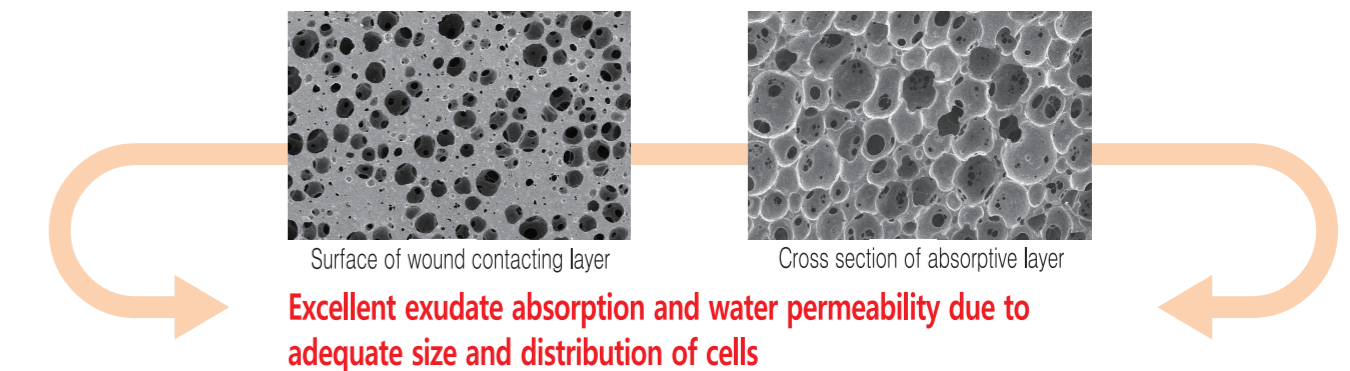
- Unlike other alginate dressings, Therasorb Algiplus does not leave residue and is easily replaced
- Unlike gauzes, Therasorb Algiplus does not damage newly formed granulation tissue, and thus reduces wound healing time and pain during dressing replacement in wounds such as burns or donor tissue
- Sodium Alginate as hemostatic effects, and allows Therasorb Algiplus to absorb more exudate than other foam dressings
- Low density allows for easy application on contoured surfaces
- Cut so that size fits size of wound site

Therasorb Algiplus Adhesive



- Thin and translucent film blocks water and bacteria while allowing air to pass, and creates and maintains adequate humidity
- Excellent adhesiveness allows for more freedom of movement
- Excellent water–proof properties prevent secondary infections by infectious bacteria
- Sodium alginate acts as protective membrane and facilitates humid environment
- Does not stick to wound side, which eliminates pain during removal, and reduces wound healing time

Scanning Electron Microscope (SEM) Image



Excellent exudate absorption and water permeability due to adequate size and distribution of cells

Therasorb®

| Layer | Characteristics |
|---------------------|--|
| Protective Layer | Water permeable, water–proof film developed by our company. Polyurethane film containing hydrophilic polyethylene glycol, which shows optimal water permeability. |
| Absorptive Layer | Hydrophilic polyurethane foam includes sodium alginate, which provides excellent water absorption to absorb exudate and prevent its leakage |
| Wound Contact Layer | Composed of fine pores (cells) and absorbs exudate to send it to absorptive layer. Does not stick to wound, which reduces pain during dressing replacement and reduces damage to granulation tissue and epithelial tissue. |

Clinical Tests of Therasorb® (Applied to donor site)

