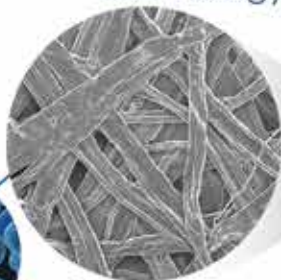




B'cause it's... Blue

Nano Biocellulose Technology



Acetobacter xylinum

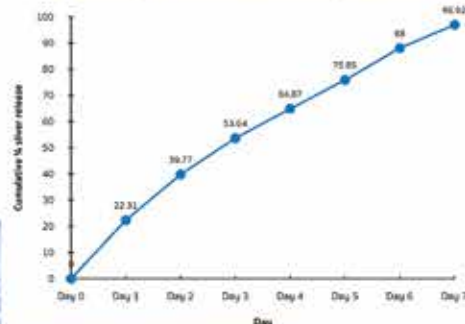


Oryza sativa L.

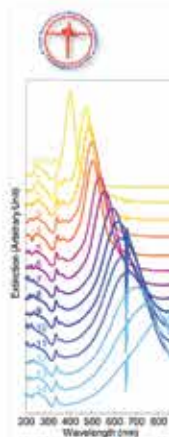
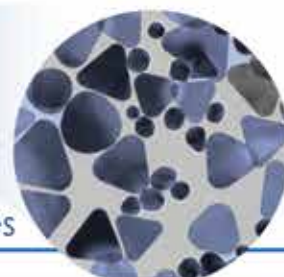
Makes the wound clean

"Nano-cellulosic technology is a natural substance derived from Thai rice grown with the bacterium *Acetobacter xylinum*, creating a structure of cellulose nanosized fibers. The soft, strong, moisturizing properties of the wound make the wound heal faster and can eliminate the infiltration of the wound with many of the pores present in BluRibbon

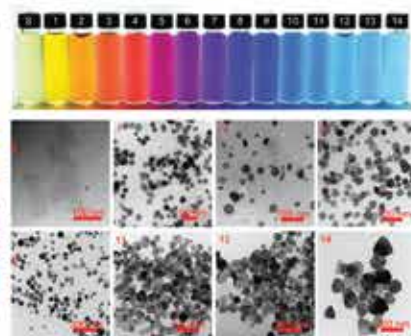
"**Blue Silver Nano Technology** is a pure silver nanoparticle technology in blue crystals. It has the ability to **kill bacteria** efficiently with very low usage. The technology passed from the research unit of the device. Faculty of Science Chulalongkorn University



Blue Silver Nanoplates



Silver Nanoplates
Optically - Tunable Silver Nanoplates

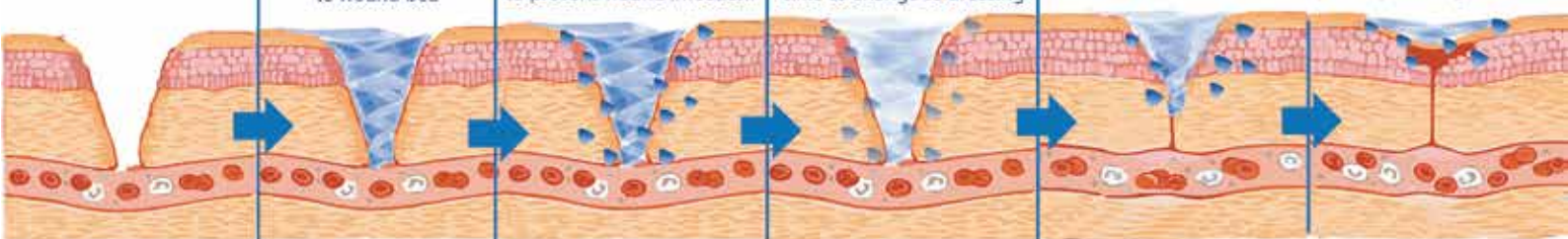


Easy to insert into narrow and deep wound cavity with gentle touch to wound bed

Blue Silver Nanoplates provide antimicrobial action to prevent wound infection.

The color changes after releasing Silver ions can be used to indicate the proper time to change to dressing

Nanobiocellulose can apply to dry necrotic tissue to promote autolytic debridement and also provide moist wound environment to speed up tissue granulation.



with the supports of



B'cause it's.... Blue



1
Clean wound with NSS

2
Place BluRibbon on the wound
or put it into the wound, not too tight.

3
Cover
with appropriated dressing

4
When BluRibbon's color
is out of the blue,
take it off carefully .
Then clean the wound
and use a new piece.




DUAL NANO TECHNOLOGY

- Maintains moist wound environment
- Helps the wound cleaned with its autolytic debridement
- Prevent infection with Blue Silver Nanoplates
- Natural blue color as self indicator for its effective antimicrobial activity of Blue Silver Nanoplates
- Easy to insert into narrow and deep wound cavity with gentle touch to wound bed
- Allows easy and painless removal with no wound residue left
- Effectively soften callous wound naturally

 BluRibbon 3x5 cm.

 BluRibbon 10x10 cm.

 BluRibbon 1x20 cm.

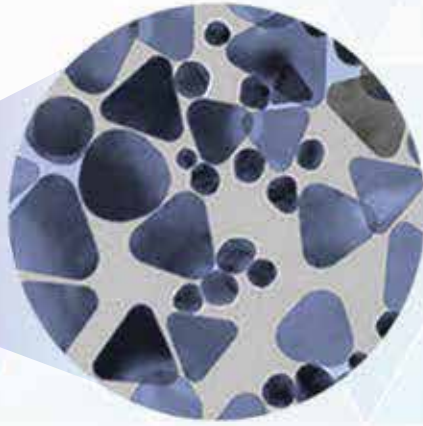
 BluRibbon 2x25 cm.

blu BLUGEL^{15 gm}

15 gm of Hydrogel with

Blue Silver Nano Sterile Hydrogel

Wound Dressing Gel Composition

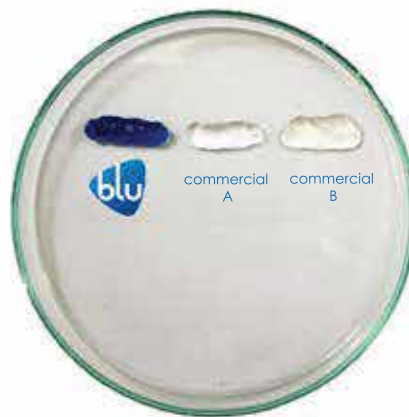


Blue
Silver
Nanoplates



Test of Adhesion

0 hr



1 hr



Method: Apply gels on a glass and overbalance about 45 degree in 1 hour



Glycerol

- Bacteriostatic



Water

- Facilitates autolytic debridement



Blue Silver Nano

- Antimicrobial action



BLUGEL 15 gm

Dry Wound



Black Necrotic Tissue



Inflammation



1 time/day



Bone & Tendon



Slough Tissue



Promote Granulation

2 days/time



Clean wound site with NSS

1



Apply BluGel about 5 mm. depth

2



Cover gel with appropriated dressing

3

4 Change BluGel everyday upon the wound condition



case 1



case 2



case 3



case 4

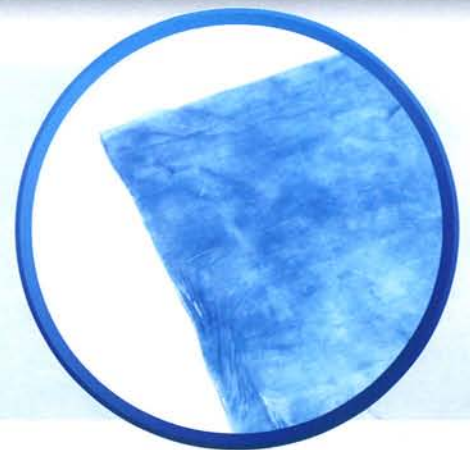


BluMembrane

BluMembrane is temporary skin cover for burns and scalds produced by Dual Nano Technology. It is made from Nanobiocellulose coated with Blue Silver Nanoplates. Nanobiocellulose can see through the wound bed for easily wound evaluation and provide cooling effect for pain relief. It also helps to remove the necrotic tissue and optimizes moist wound environment to speed up tissue granulation. The Silver ions released from Blue Silver Nanoplates provide antimicrobial action to prevent wound infection. The color changes after releasing Silver ions can be used to indicate the proper time to change the dressing.

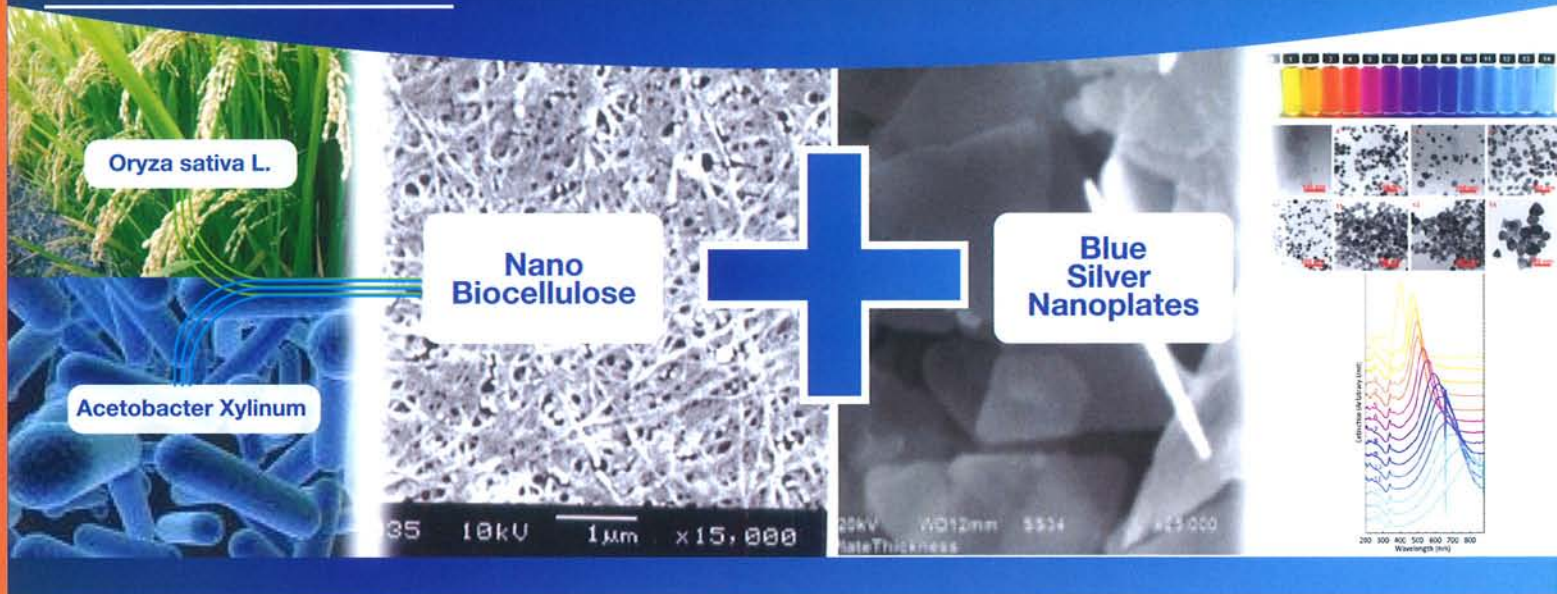
BluMembrane is breathable dressing and allows easy and painless removal with no residue left. If surgical debridement is required, BluMembrane can be used for stop bleeding.

THE TEMPORARY SKIN COVER FOR BURNS

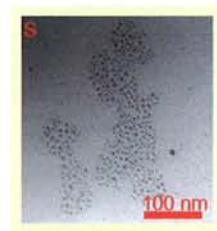
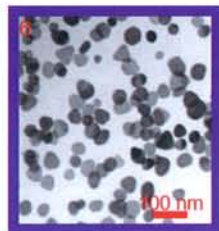


- Provides moist wound environment for faster wound healing and pain relief
- Prevents infection with Blue Silver Nanoplates
- Stops bleeding in escharotomy
- Easy application with painless removal and see-through property

Our Innovation



Blue Silver Nanoplates



- The natural Blue-colored silver wound dressing
- Color change when Ag⁺ releases can be observed as self-indicator for its action
- Minimal silver content with effective efficacy
- Possesses most properties of the ideal wound dressing

Usage



Day 0



Day 5



Day 8



Day 14



Day 0



Day 7



Day 18



Day 38

Case Study 1

- Female 67years
- 2nd degree burns both legs and infected with A.baumannii
- Lesions present for 5 months
- Previous dressing : SSD cream,Hydrogel, various Silver commercial dressings

Case Study 2

- Male 70years
- Diabetic Mellitus with Hypertension
- Doner site skin graft Lt. Thigh
- Lesions present for 3 months
- Previous dressing : Tulle dressing

Availability

Code
BM2028

Description
BluMembrane 20 cm x 28 cm

Packing
5 Pcs./Box



NOVATEC HEALTHCARE CO., LTD.
599/15 Moo 5 Srinakarin Rd., Samrong-Nua Muang Samutprakarn 10270 Thailand
Tel. (+66) 2349 4100 Fax. (+66) 2349 4105
Email: info@novatec.co.th
www.novatec.co.th