APPLICATIONS

Antibacterial nano nonwoven (special for wound dressing) with multi-functional capabilities is engineered to address complex wound care needs while enhancing patient outcomes. This material is designed for (1) Chronic or infected wounds requiring biofilm disruption and bacterial load reduction, (2) Surgical / traumatic wounds prone to secondary bleeding, where rapid hemostasis is critical, (3) Moist wound environments needing breathability to promote cellular respiration and angiogenesis, and (4) Frequent dressing changes, where easy removal minimizes trauma to delicate tissues.

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Researched, Designed & Manufactured in Hong Kong

POWERED BY NASK NANO
INVISIBLE TO INVINCIBLE

R&D at Hong Kong Science & Technology Park and Production at its Advanced Manufacturing Centre

ANTI-BACTERIAL NANO NONWOVEN

SPECIAL FOR WOUND DRESSING

TNCA-19

KEY FUNCTIONS & BENEFITS

BACTERIAL ELIMINATION

Kill both gram-positive and gram-negative bacteria (and even MRSA) by electrostatic attraction and hydrophobic interaction without the use of silver or silver-based materials

HEMOSTASIS & COAGULATION ENHANCEMENT

Nanofiber dressings have smaller pores and higher specific surface area, which can promote blood coagulation. This promoting effect depends on the structure of the nanofiber dressing, and does not depend on any coagulation factors/drugs.

CELLULAR RESPIRATION AND HEALING

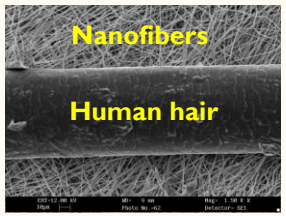
The high porosity of nanofiber dressings is very beneficial for cell respiration, which can keep the wound from drying out. This effect can maintain a suitable moist environment for rapid wound healing.

EASY REMOVAL

The controlled surface of nanofibers can prevent excessive blood coagulation at the interface between tissue and dressing, and can also prevent secondary bleeding when removing the dressing, thereby promoting wound healing.

ADVANCED TECHNOLOGY

NANOFIBER TECHNOLOGY



- ✓ Kill bacteria and prevent formation of biofilm due to the use a proprietary formulation for forming nanofibers
- ✓ Possess high porosity to promote cellular respiration and enhance wound healing
- ✓ Remove dressing easily without pain