

## Sterile collagen sheet (fish origin) (transparent film membrane)

### Product description

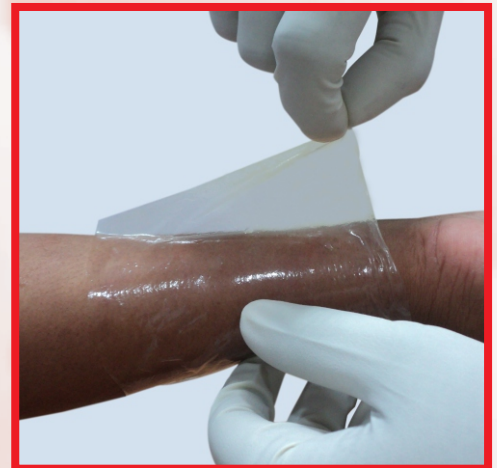
**NeuSkin-F<sup>®</sup>** is a Type I collagen of Fish origin.

Collagen is extensively used in the medical, dental and pharmacological fields because of its proven biocompatibility and capability of facilitating wound healing (Patino et al., 2002. Bunyaratavej and Wang 2001). **NeuSkin-F<sup>®</sup>** is an effective epidermal substitute that supports epidermal cell attachment and migration, and has been widely established as an effective dressing for burns and wounds (Krieg T. Collagen in the Healing Wound. WOUNDS. 1995).

**NeuSkin-F<sup>®</sup>** acts as a resorbable haemostat.

### **NeuSkin-F<sup>®</sup> is an effective temporary skin substitute and performs the following functions**

- » Provides immediate pain relief<sup>3,7</sup> for patients with minimal dressing change
- » Supports epidermal cell attachments and migration<sup>1,2,3,6,8</sup>
- » As a natural substrate for cellular attachment, growth and differentiation<sup>10</sup>
- » Reduces wound pH<sup>1,4,10</sup>
- » A lowered pH reduces bacterial load<sup>1,6,9</sup>
  - ... a reduction in infection<sup>1,4,6</sup>
  - ... reduction of fluid loss<sup>1,4,6</sup>
- » Facilitates the normal healing process<sup>5,9</sup>
- » Biocompatible as per EN ISO 10993 Standards
- » Non-toxic, non-allergenic, non-immunogenic, non-pyrogenic



### Indications

- » 1<sup>st</sup> and 2<sup>nd</sup> degree burns
- » Skin donor sites
- » Trauma wounds (abrasions, lacerations, skin tears)
- » Surgical wounds (Post laser surgery, wound dehiscence)
- » Pressure ulcers
- » Venous stasis ulcers
- » Shallow diabetic ulcers
- » Vitiligo sites<sup>11</sup>

### References

- 1 Hampton S. Understanding the pH balance in wound healing, JCN 2008;22:05
- 2 Horch RE, Stark GB. Comparison of the effect of a collagen dressing and polyurethane dressing on healing of split thickness skin graft donor sites. Scand J Plast Reconst Surg Hand Surg 1998; 32 (4) : 407-13.
- 3 Kilinc H, Sensoz O, Ozdemir R, Unlu RE, Baran C. Which dressing for split thickness skin graft donor site? Ann Plast Surg 2001; 46 (4) : 409-14.
- 4 Krieg T. Collagen in the Healing Wound. WOUNDS. 1995;7(Suppl A):5A-12A.
- 5 Palmieri B. Heterologous collagen in wound healing: a clinical study. Int J Tissue React. 1992;14(Suppl):21-25.
- 6 Parks WC. The production, role, and regulation of matrix metalloproteinases in the healing epidermis. WOUNDS. 1995;7(Suppl A):23-37.
- 7 Ponten B, Nordgaard JO. The Use of Collagen Film as a Dressing for Donor Areas in split skin grafting. Scand J Plast Reconst Surg 1976; 10 : 237-40.
- 8 Scharfetter-Kochanek K, Klein CE, Heinen G, et al. Migration of human keratinocyte cell line (HaCaT) to interstitial collagen Type I is mediated by the alpha 2 beta 1-integrin receptor. J Invest Dermatol. 1992;98(1):3-11.
- 9 Shukla VK, Shukla D, Tiwary SK; Agrawal S, Rastogi A. Evaluation of pH measurement as a method of wound assessment, J Wound Care 2007; 16, (7), 291-294
- 10 Schultz GS, Sibbald RG, Falanga V, et al. Wound bed preparation: a systematic approach to wound management. Wound Repair Regen. 2003;11(Suppl 1):1-28.
- 11 Sanjeev V Mulekar et al., Nevus Depigmentosus Treated by Melanocyte - Keratinocyte Transplantation; J.Cutaneous and Aesthetic Surgery.2011.Jan - Apr; 4(1): 29-32

## Contraindications

- » Do not apply **NeuSkin-F<sup>®</sup>** on infected wounds and wounds with heavy exudation.
- » In case of infection, control with systemic antibiotics and resume the application.
- » In case of irritation, remove and discontinue **NeuSkin-F<sup>®</sup>**.
- » Do not apply on patients hypersensitive to collagen.

## Application Methodology

- » Ensure wound bed is thoroughly cleansed and satisfactory haemostasis is achieved.
- » Apply **NeuSkin-F<sup>®</sup>** firmly to wound bed, cutting to fit.
- » Apply a light, non-adherent secondary dressing, secured with gauze, crepe bandage or dressing of choice to secure.
- » **NeuSkin-F<sup>®</sup>** transparency allows regular wound inspection if required.
- » If early removal of **NeuSkin-F<sup>®</sup>** is necessary, first soften with moistened gauze.

## Precautions and warnings

- » Do not use if package is wet or damaged
- » Do not re-sterilize
- » **NeuSkin-F<sup>®</sup>** is made from Fish collagen and hence no allergic reaction has been reported

## Storage

**NeuSkin-F<sup>®</sup>** must be stored in a dry place between 5° and 25°C. It is gamma sterilized with a shelf life of 3 years.

## Ordering Information

CODE	DESCRIPTION	UNITS
NSNF1004-10	<b>NeuSkin-F<sup>®</sup></b> , 5cm x 5cm	Box of 10
NSNF1005-05	<b>NeuSkin-F<sup>®</sup></b> , 10cm x 10cm	Box of 5
NSNF1006-05	<b>NeuSkin-F<sup>®</sup></b> , 10cm x 20cm	Box of 5
NSNF1011-05	<b>NeuSkin-F<sup>®</sup></b> , 15cm x 30cm	Box of 5



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*We create and surpass our own standards*

**NeuSkin-F<sup>®</sup>** - Registered Trade Mark in EU. / **NeuSkin<sup>™</sup>-F** - Trade Mark under Registration in India.