

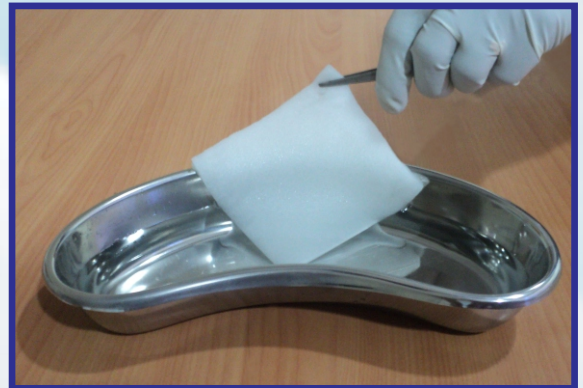
## Sterile Collagen Sponge (Fish Origin) A Type I intact collagen sponge

### Introduction

Surgeons who treat chronic non-healing ulcers including diabetic ulcers and pressure ulcers etc., face a real challenge when it comes to the closure of the wounds due to inadequacies of conventional treatment protocols and complexities of ulcers. The result is catastrophic and traumatic. Quality of life suffers as many patients get into the stage of amputations especially in the case of diabetic foot ulcers. It is for this reason, useful biomaterials like collagen play a very important role in the wound management to alleviate the sufferings of millions of victims in the category.

### Collagen

Collagen is an extra cellular matrix protein playing a major role in connective tissue. It is the most abundant protein in humans and performs multiple functions. In fish, the largest concentration of collagen is found in the skeleton, fins, skin and air bladder. Collagen as a biomaterial and its role in wound management is a well-documented subject. Collagen encourages wound healing through the deposition and organization of freshly formed fibers and granulation tissues in the wound bed and thus creating a very conducive environment for wound healing.



### Role of Collagen in wound healing

- ☞ Stops Bleeding (Hovig et al., 1968)
- ☞ Helps in wound debridement by attracting monocytes (Postlewaithe and Kang, 1976)
- ☞ Provides a Matrix for Tissue and Vascular Growth (Kleinman et al, 1981a)
- ☞ Attracts fibroblasts and helps in directed migration of cells (Dunn and Ebendal, 1978)
- ☞ Binds with Fibronectin, which promotes cell binding (Kleinman et al., 1981b)
- ☞ Supports growth (Morykwas et al., 1989), differentiation and migration (Emerman and Pitelka, 1977) of Keratinocytes
- ☞ Helps in deposition of oriented and organized fibres (Doillion et al, 1981), which increase the integrity of the Tissue

### Salient Features

- ☞ Highly absorbent
- ☞ Derived from fish source - no threat of BSE/TSE
- ☞ Biocompatible as per EN ISO 10993 Standards
- ☞ Non-toxic, non-allergenic, non-immunogenic, non-pyrogenic
- ☞ Collagen reduces wound pH
- ☞ Resorbable haemostat
- ☞ Facilitates the normal healing process
- ☞ Absorbs exudate, reduces inflammation and oedema and allows gaseous exchange
- ☞ As a natural stimulant for autolytic debridement
- ☞ Transforms wounds from inflammation phase to remodeling phase
- ☞ As a scaffold for tissue regeneration

### Indications

- ☞ Pressure ulcers
- ☞ Venous stasis ulcers
- ☞ Diabetic ulcers
- ☞ Acute wounds for example trauma and surgical wounds
- ☞ Partial thickness burns
- ☞ Moderate to heavily exuding wounds

## Contraindications

- ☞ Do not apply **Kolspon®** on infected wounds
- ☞ In case of infection, control with systemic antibiotics and resume the application
- ☞ In case of irritation, remove and discontinue **Kolspon®**
- ☞ Do not apply on patients hypersensitive to collagen

## Application Methodology

- ☞ Ensure wound bed is thoroughly cleansed
- ☞ Select the required dimension of **Kolspon®** depending upon the size and depth wound
- ☞ **Kolspon®** can be applied dry or moist depending upon the type of wound bed
- ☞ Secure the sponge with a secondary dressing of choice
- ☞ For early removal or change of **Kolspon®**, irrigate with normal saline

**Do not pack the wound tightly sponge is highly absorbent and need room for expansion. Always maintain a moist wound environment.**

## Storage

**Kolspon®** 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
KSPN 1003-05	<b>Kolspon®</b> Sponges, 2.5cm x 2.5cm	Box of 5
KSPN 1005-05	<b>Kolspon®</b> Sponges, 2.5cm x 5cm	Box of 5
KSPN 1001-05	<b>Kolspon®</b> Sponges, 5cm x 5cm	Box of 5
KSPN 1002-05	<b>Kolspon®</b> Sponges, 5cm x 7.5cm	Box of 5
KSPN 1006-02	<b>Kolspon®</b> Sponges, 7.5cm x 7.5cm	Box of 2
KSPN 1004-02	<b>Kolspon®</b> Sponges, 10cm x 10cm	Box of 2
KSPN 1008-05	<b>Kolspon®</b> Cubes, 1mm - 1.0gm per vial	Box of 5
KSPN 1009-05	<b>Kolspon®</b> Cubes, 1mm - 0.5gm per vial	Box of 5
KSPN 1012-02	<b>Kolspon®</b> Tape, 2.5x7.5cm x 1mm	Box of 2
KSPN 1011-05	<b>Kolspon®</b> Plug, 25 x Dia 8mm	Box of 5
KSPN 1017-10	<b>Kolspon®</b> Dental, 10x10x10mm	Box of 10



Manufactured by:

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