



Type-1 Collagen in Triple Helical Structure

ColtypTM1 Flakes

Purest Form of Collagen - Bovine origin



Product Overview

COLTYP1 is type 1 collagen in triple helical structure wet & dry sterile reconstituted sheets, purest form of collagen derived from bovine source to activate all four phases of wound healing cascade

- Non healing ulcers
- Diabetic ulcers
- Pressure ulcers
- Traumatic wounds
- Surgical wounds
- Infected & Non infected wounds
- Minimally to heavily draining wounds
- Undermined wounds
- Tunneled wounds
- 1st & 2nd degree Burns

Coltyp1 flakes are fine sterile flakes that consist of purest form of collagen from bovine origin prepared using CLRI technology. Coltyp1 flakes absorbs well in wound area. Coltyp1 flakes are smaller in size provides excellent contact and increases the rate of absorption, enhancing healing, and rapid recovery. Coltyp1 flakes manufacturing technology (CLRI) enables better bonding and matrix naturally. Coltyp1 flakes are sterilized by gamma irradiation Coltyp1 flakes posse's longer shelf life (5years) under good storage conditions.

As a central element of the extracellular matrix, collagen is intimately involved in tissue development, remodeling, and repair and confers high tensile strength to tissues. Numerous medical applications, particularly, wound healing, cell therapy, bone reconstruction, and cosmetic technologies, rely on its supportive and healing qualities.

Collagen, secreted by fibroblasts and epithelial cells, constitutes the most dominant protein of the extracellular matrix (ECM) and connective tissue, and is intimately involved in tissue development, remodeling, repair, and overall physical support.

COLTYP1 is made of native triple helical collagen shows...

- Excellent homeostasis
- Sterile adsorbable
- Biodegradable
- Protective bacterial barrier
- Hypoallergenic flexible
- Cost - effective

COLTYP 1 Wound healing made easy Help line +91 9884482572 / 9884492572

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What is the purpose of Coltyp1 flakes ?

- To be used as Absorbable haemostat for control of surgical vessel bleeding
- For human tissue regeneration
- Healing of wounds of different etiologies

How to use Coltyp1 flakes

- Cleanse the wound
- Apply medication to the wound if indicated
- Apply **Coltyp1 flakes** ¼ inch thick to the wound surface. Do not pack tightly, allow for expansion of flakes.
- Cover with non stick dressing
- Use **Coltyp1 flakes** product until wound is fully healed
- Maintain a moist wound environment
- In case of tunneled and undermined wounds, **Coltyp1 flakes** can be made into a paste or solution with normal saline to ensure that **Coltyp1 flakes** are penetrated into the wound cavities.

How to Remove Coltyp1 flakes

- Change as directed by the amount of drainage and instruction provided, with the absorbent cover dressing
- After removal of the cover dressing, repeat steps under product application as needed.

What are the Precautions & Warnings need to be adhered during use of Coltyp1 flakes

- Wound may appear to be larger during the initial days of treatment due to a reduction in swelling.
- An increase in drainage may be seen on the initial days of treatment
- The product is made from bovine source. DO NOT USE IF YOU ARE ALLERGIC TO BOVINE DERIVED MATERIALS,
- Discontinue use of **Coltyp1 flakes** if you experience redness, pain, swelling or blistering and inform your physician without delay.
- **Store at normal room temperature**

A WHO-GMP certified product

Ordering Information

Coltyp1 flakes Pet Containers	2.5 ml	5 ml	10 ml	15 ml
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• Sold as set of ten individually packaged units.

Benefits

Hemostasis:

Collagen binds to specific receptor sites on platelet membranes, which swell and release substances to initiate hemostasis

Collagen binds to fibronectin, causing platelet adhesion and aggregation.

Wound Debridement:

Collagen is chemo tactic to monocytes and leukocytes. Monocytes transform into macrophages which scavenge and phagocytise foreign bodies and debris.

Granulation & Angiogenesis:

Collagen attracts monocytes which transform into macrophages. Macrophages release substances that result in fibroplasias and angiogenesis.

Collagen provides support for the growth of new capillaries. The presence of new capillaries is essential for the deposition of new fibres.

Fibroblastic Activity:

Collagen binds fibronectin, which promotes cell binding and fibrillogenesis, influences fibril dimensions and stimulates fibroblast proliferation and migration.

Collagen is chemo tactic to fibroblasts, which direct the restoration of new tissue by depositing oriented and organized fibres. Collagen provides a substrate for directed migration and permeation of fibroblasts.

Re-epithelialisation:

Collagen directly supports the growth, attachment, differentiation and migration of keratinocytes by binding with fibronectin.

Collagen offers a provisional matrix for keratinocytes migration.

Wound Remodelling:

Collagen reduces scarring by depositing oriented and organized fibres and by regulating the amount of collagenase expressed by keratinocytes



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