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Collagenase Santyl: Package Insert / Prescribing Info

Package insert / product label

Dosage form: ointment

Drug class: [Topical debriding agents](#)

[Medically reviewed](#) by Drugs.com. Last updated on Feb 4, 2025.

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R_x only

Collagenase Santyl Description

Collagenase Santyl[®] Ointment is a sterile enzymatic debriding ointment which contains 250 collagenase units per gram of white petrolatum USP. The enzyme collagenase is derived from the fermentation by *Clostridium histolyticum*. It possesses the unique ability to digest collagen in necrotic tissue.

Collagenase Santyl - Clinical Pharmacology

Since collagen accounts for 75% of the dry weight of skin tissue, the ability of collagenase to digest collagen in the physiological pH and temperature range makes it particularly effective in the removal of detritus. ¹ Collagenase thus contributes towards the formation of granulation tissue and subsequent epithelization of dermal ulcers and severely burned areas. ^{2, 3, 4, 5, 6} Collagen in healthy tissue or in newly formed granulation tissue is not attacked. ^{2, 3, 4, 5, 6, 7, 8} There is no information available on collagenase absorption through skin or its concentration in body fluids associated with therapeutic and/or toxic effects, degree of binding to plasma proteins, degree of uptake by a particular organ or in the fetus, and passage across the blood brain barrier.

Indications and Usage for Collagenase Santyl

Collagenase Santyl[®] Ointment is indicated for debriding chronic dermal ulcers 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and severely burned areas. 3, 4, 5, 7, 16, 19, 20, 21

Contraindications

Collagenase Santyl[®] Ointment is contraindicated in patients who have shown local or systemic hypersensitivity to collagenase.

Precautions

The optimal pH range of collagenase is 6 to 8. Higher or lower pH conditions will decrease the enzyme's activity and appropriate precautions should be taken. The enzymatic activity is also adversely affected by certain detergents, and heavy metal ions such as mercury and silver which are used in some antiseptics. When it is suspected such materials have been used, the site should be carefully cleansed by repeated washings with normal saline before Collagenase Santyl[®] Ointment is applied. Soaks containing metal ions or acidic solutions should be avoided because of the metal ion and low pH. Cleansing materials such as Dakin's solution and normal saline are compatible with Collagenase Santyl[®] Ointment.

Debilitated patients should be closely monitored for systemic bacterial infections because of the theoretical possibility that debriding enzymes may increase the risk of bacteremia.

A slight transient erythema has been noted occasionally in the surrounding tissue, particularly when Collagenase Santyl[®] Ointment was not confined to the wound. Therefore, the ointment should be applied carefully within the area of the wound. Safety and effectiveness in pediatric patients have not been established.

Adverse Reactions/Side Effects

No allergic sensitivity or toxic reactions have been noted in clinical use when used as directed. However, one case of systemic manifestations of hypersensitivity to collagenase in a patient treated for more than one year with a combination of collagenase and cortisone has been reported.

Overdosage

No systemic or local reaction attributed to overdose has been observed in clinical investigations and clinical use. If deemed necessary the enzyme may be inactivated by washing the area with povidone iodine.

Collagenase Santyl Dosage and Administration

Collagenase Santyl[®] Ointment should be applied once daily (or more frequently if the dressing becomes soiled, as from incontinence). When clinically indicated, crosshatching thick eschar with a #10 blade allows Collagenase Santyl[®] Ointment more surface contact with necrotic debris. It is also desirable to remove, with forceps and scissors, as much loosened detritus as can be done readily. Use Collagenase Santyl[®] Ointment in the following manner:

1 - Prior to application the wound should be cleansed of debris and digested material by gently rubbing with a gauze pad saturated with normal saline solution, or with the desired cleansing agent compatible with Collagenase Santyl[®] Ointment (See PRECAUTIONS), followed by a normal saline solution rinse.

2 - Whenever infection is present, it is desirable to use an appropriate topical antibiotic powder. The antibiotic should be applied to the wound prior to the application of Collagenase Santyl[®] Ointment. Should the infection not respond, therapy with Collagenase Santyl[®] Ointment should be discontinued until remission of the infection.

3 - Collagenase Santyl[®] Ointment may be applied directly to the wound or to a sterile gauze pad which is then applied to the wound and properly secured.

4 - Use of Collagenase Santyl[®] Ointment should be terminated when debridement of necrotic tissue is complete and granulation tissue is well established.

How is Collagenase Santyl supplied

Collagenase Santyl[®] Ointment contains 250 units of collagenase enzyme per gram of white petrolatum USP.

Do not store above 25°C (77°F). Sterility guaranteed until tube is opened.

Collagenase Santyl[®] Ointment is available in the following sizes:

30 g tube NDC 50484-010-30

90 g tube NDC 50484-010-90

REFERENCES

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Manufactured by:

SMITH & NEPHEW, INC

Fort Worth, Texas 76109

US Gov't License #2004

Marketed by:

Smith & Nephew[®]

1-800-441-8227

Smith & Nephew, Inc.,

Fort Worth, Texas 76109

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140749-0316

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

NDC 50484-010-30



Rx Only

30 g

Collagenase
SANTYL®
Ointment 250 units/g

(Derived from *Clostridium histolyticum*) For enzymatic debridement. 250 units per gram.
No U.S. standard of potency. Contains no preservative.
For external use only. See enclosed prescribing information.
Do not store above 25°C (77°F). Sterility guaranteed until tube is opened.
Invert cap to puncture tube.



106641-0316



NDC 50484-010-30

Rx Only



30 g

Collagenase
SANTYL®
Ointment 250 units/g

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1-800-441-8227

TUBE LABEL.PRINCIPAL DISPLAY PANEL



COLLAGENASE SANTYL
collagenase santyl ointment

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:50484-010
Route of Administration	TOPICAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
COLLAGENASE CLOSTRIDIUM HISTOLYTICUM (UNII: 9X7O8V25IT) (COLLAGENASE CLOSTRIDIUM HISTOLYTICUM - UNII:9X7O8V25IT)	COLLAGENASE CLOSTRIDIUM HISTOLYTICUM	250 [arb'U] in 1 g

Inactive Ingredients

Ingredient Name	Strength
PETROLATUM (UNII: 4T6H12BN9U)	

Product Characteristics

Color	WHITE (WHITE TO OFF WHITE)	Score
Shape		Size
Flavor		Imprint Code
Contains		

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:50484-010-30	1 in 1 CARTON	10/18/2006	
1		30 g in 1 TUBE; Type 0: Not a Combination Product		
2	NDC:50484-010-90	1 in 1 CARTON	03/10/2014	
2		90 g in 1 TUBE; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101995	10/18/2006	

Labeler - SMITH & NEPHEW, INC (827731451)

Establishment

Name	Address	ID/FEI	Business Operations
Renaissance Lakewood LLC		077744035	MANUFACTURE(50484-010) , pack(50484-010) , analysis(50484-010)

Establishment

Name	Address	ID/FEI	Business Operations
HALO PHARMACEUTICALS, INC.		829609168	MANUFACTURE(50484-010) , pack(50484-010)

Establishment

Name	Address	ID/FEI	Business Operations
Smith & Nephew, Inc.		125458849	analysis(50484-010)

Collagenase santyl Biosimilars

Biosimilar and interchangeable products are biological products that are highly similar to and have no clinically meaningful differences from the reference product.

Reference products

These are biological products that have already been approved by the FDA, against which biosimilar products are compared. There is 1 for Collagenase Santyl.

Santyl (collagenase) - Smith & Nephew, Inc.



Formulation type	Strength
Tube	250 units/GRAM

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More about Collagenase Santyl (collagenase topical)

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- [Side effects](#)
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- [During pregnancy](#)
- [Drug class: topical debriding agents](#)

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DRUG STATUS

Availability

Rx Prescription only

Pregnancy & Lactation

 Risk data available

CSA Schedule*

N/A Not a controlled drug



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