

# GENTAMICIN SULFATE- gentamicin sulfate solution/ drops

## Proficient Rx LP

### Gentamicin Sulfate Ophthalmic Solution USP, 0.3% (Sterile)

Rx only

## DESCRIPTION

Gentamicin Sulfate Ophthalmic Solution, is a sterile, aqueous solution buffered to approximately pH 7.0 and formulated for ophthalmic use.

### EACH mL CONTAINS:

ACTIVE: Gentamicin Sulfate (equivalent to 3 mg gentamicin).

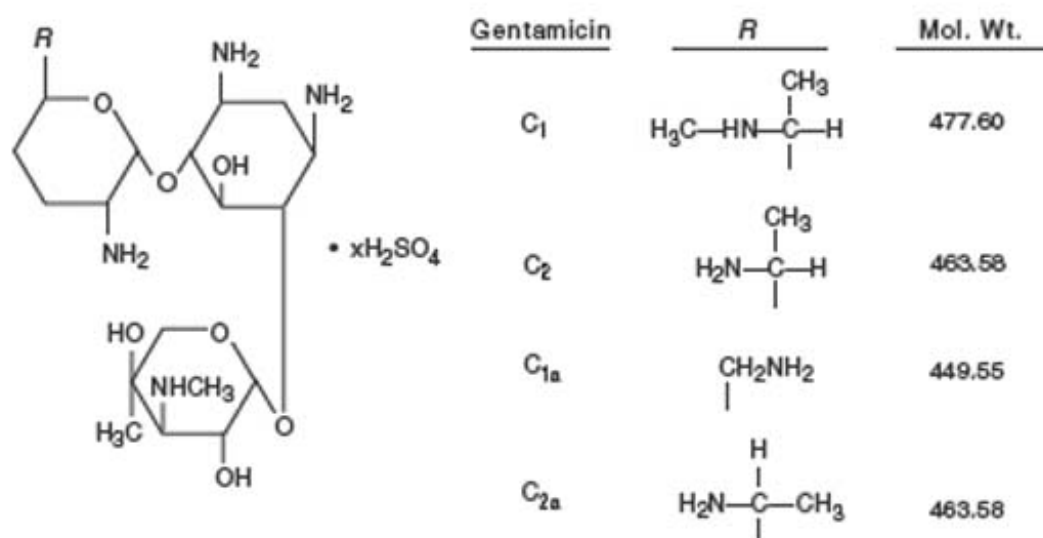
INACTIVES: Dibasic Sodium Phosphate, Sodium Chloride, Monobasic Sodium Phosphate, Purified Water. Hydrochloric Acid and/or Sodium Hydroxide may be added to adjust pH (6.5 - 7.5).

PRESERVATIVE ADDED: Benzalkonium Chloride 0.01%.

Gentamicin is an aminoglycoside antibiotic obtained from cultures of *Micromonospora purpurea*. It is a mixture of the sulfate salts of Gentamicin C<sub>1</sub>, C<sub>2</sub>, C<sub>1a</sub> and C<sub>2a</sub>. All three components appear to have similar antimicrobial activity.

Gentamicin sulfate occurs as a white to buff powder and is soluble in water and insoluble in alcohol.

The structural formula is as follows:



## CLINICAL PHARMACOLOGY

## **Microbiology**

Gentamicin sulfate is active *in vitro* against many strains of the following microorganisms:

*Staphylococcus aureus*, *Staphylococcus epidermidis*, *Streptococcus pyogenes*, *Streptococcus pneumoniae*, *Enterobacter aerogenes*, *Escherichia coli*; *Haemophilus influenzae*, *Klebsiella pneumoniae*, *Neisseria gonorrhoeae*, *Pseudomonas aeruginosa*, and *Serratia marcescens*.

## **INDICATIONS AND USAGE**

Gentamicin sulfate ophthalmic solution is indicated in the topical treatment of ocular bacterial infections including conjunctivitis, keratitis, keratoconjunctivitis, corneal ulcers, blepharitis, blepharoconjunctivitis, acute meibomianitis, and dacryocystitis, caused by susceptible strains of the following microorganisms:

*Staphylococcus aureus*, *Staphylococcus epidermidis*, *Streptococcus pyogenes*, *Streptococcus pneumoniae*, *Enterobacter aerogenes*, *Escherichia coli*; *Haemophilus influenzae*, *Klebsiella pneumoniae*, *Neisseria gonorrhoeae*, *Pseudomonas aeruginosa*, and *Serratia marcescens*.

## **CONTRAINDICATIONS**

Gentamicin sulfate ophthalmic solution is contraindicated in patients with known hypersensitivity to any of its components.

## **WARNINGS**

### **NOT FOR INJECTION INTO THE EYE.**

Gentamicin sulfate ophthalmic solution is not for injection. It should never be injected subconjunctivally, nor should it be directly introduced into the anterior chamber of the eye.

## **PRECAUTIONS**

### **General**

Prolonged use of topical antibiotics may give rise to overgrowth of nonsusceptible organisms including fungi.

Bacterial resistance to gentamicin may also develop. If purulent discharge, inflammation or pain becomes aggravated, the patient should discontinue use of the medication and consult a physician. If irritation or hypersensitivity to any component of the drug develops, the patient should discontinue use of this preparation and appropriate therapy should be instituted.

### **Information for Patients:**

To avoid contamination, do not touch tip of container to the eye, eyelid or any surface.

## **Carcinogenesis, Mutagenesis, Impairment of Fertility:**

There are no published carcinogenicity or impairment of fertility studies on gentamicin. Aminoglycoside antibiotics have been found to be non-mutagenic.

## **Pregnancy:**

Pregnancy Category C. Gentamicin has been shown to depress body weights, kidney weights and median glomerular counts in newborn rats when administered systemically to pregnant rats in daily doses approximately 500 times the maximum recommended ophthalmic human dose. There are no adequate and well-controlled studies in pregnant women. Gentamicin should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

## **ADVERSE REACTIONS**

Bacterial and fungal corneal ulcers have developed during treatment with gentamicin ophthalmic preparations.

The most frequently reported adverse reactions are ocular burning and irritation upon drug instillation, non-specific conjunctivitis, conjunctival epithelial defects and conjunctival hyperemia.

Other adverse reactions which have occurred rarely are allergic reactions, thrombocytopenic purpura and hallucinations.

## **DOSAGE AND ADMINISTRATION**

Instill one or two drops into the affected eye(s) every four hours. In severe infections dosage may be increased to as much as two drops every hour.

## **HOW SUPPLIED**

Gentamicin Sulfate Ophthalmic Solution USP, 0.3% is supplied in a plastic bottle with a controlled drop tip in the following sizes:

5 mL - NDC 63187-560-05

## **NOT FOR INJECTION**

## **FOR OPHTHALMIC USE ONLY**

## **DO NOT USE IF IMPRINTED NECKBAND IS NOT INTACT.**

**Storage:** Store between 2° - 25°C (36° - 77°F). Avoid exposure to excessive heat.

KEEP OUT OF REACH OF CHILDREN.

Revised: January 2013



**Bausch & Lomb Incorporated**

Tampa, FL 33637

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Relabeled by:  
**Proficient Rx LP**  
Thousand Oaks, CA 91320

**PACKAGE/LABEL PRINCIPAL DISPLAY PANEL**



**NDC 63187-560-05**  
**RX Only**

Relabeled By: Proficient Rx LP  
Thousand Oaks, CA 91320




**Gentamicin Sulfate 0.3%**  
**5mL      Opth Solution**  
Each mL contains: Gentamicin Sulfate (equivalent to 3 mg Gentamicin)  
*See Package insert*  
**Product ID: RG056005**  
Mfr. By: Bausch + Lomb, a division of Valeant Pharmaceuticals North America LLC Bridgewater, NJ 08807 USA Product of Slovenia  
Store between 2° - 25°C (36° - 77°F)  
**FOR OPHTHALMIC USE ONLY**  
Keep medication out of the reach of children

Gentamicin Sulfate 0.3%  
5mL      Opth Solution  
Lot #:00000      SN# MASTER  
NDC 63187-560-05      Exp:00/00/00

Gentamicin Sulfate 0.3%  
5mL      Opth Solution  
Lot #:00000      SN# MASTER  
NDC 63187-560-05      Exp:00/00/00

Gentamicin Sulfate 0.3%  
5mL      Opth Solution  
Lot #:00000      SN# MASTER  
NDC 63187-560-05      Exp:00/00/00



GTIN: 00363187560058  
SN# MASTER  
Exp. 00/00/00  
Lot #:00000

NDC 63187-560-05  
Bausch & Lomb  
Gentamicin Sulfate Ophthalmic Solution USP, 0.3% (Sterile)  
Rx only  
[icon- eye] [icon- 0.3%] [icon- solution] [icon- 15 mL]

GENTAMICIN SULFATE			
gentamicin sulfate solution/ drops			
Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:63187-560(NDC:24208-580)
Route of Administration	OPHTHALMIC		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
GENTAMICIN SULFATE (UNII: 8X7386QRLV) (GENTAMICIN - UNII:T6Z9V48IKG)		GENTAMICIN	3 mg in 1 mL

## Inactive Ingredients

Ingredient Name	Strength
<b>BENZALKONIUM CHLORIDE</b> (UNII: F5UM2KM3W7)	
<b>SODIUM PHOSPHATE, DIBASIC, UNSPECIFIED FORM</b> (UNII: GR686LBA74)	
<b>HYDROCHLORIC ACID</b> (UNII: QTT17582CB)	
<b>SODIUM PHOSPHATE, MONOBASIC, UNSPECIFIED FORM</b> (UNII: 3980JH2SW)	
<b>WATER</b> (UNII: 059QF0KO0R)	
<b>SODIUM CHLORIDE</b> (UNII: 451W47IQ8X)	
<b>SODIUM HYDROXIDE</b> (UNII: 55X04QC32I)	

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:63187-560-05	1 in 1 CARTON	12/01/2018	
1		5 mL in 1 BOTTLE, DROPPER; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA064048	05/11/1994	

**Labeler** - Proficient Rx LP (079196022)

## Establishment

Name	Address	ID/FEI	Business Operations
Proficient Rx LP		079196022	REPACK(63187-560) , RELABEL(63187-560)

Revised: 6/2022

Proficient Rx LP