GENTAMICIN SULFATE - gentamicin sulfate solution/ drops Physicians Total Care, Inc.

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_1 , C_2 , C_{1a} and C_{2a} . 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, keraticonjunctivitis, 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:

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

5 mL - NDC 54868-6745-1

15 mL - NDC 54868-6745-2

NOT FOR INJECTION

FOR OPHTHALMIC USE ONLY

DO NOT USE IF IMPRINTED NECKBAND IS NOT INTACT.

Storage: Store between 2°- 30°C (36°- 86°F). Avoid exposure to excessive heat.

KEEP OUT OF REACH OF CHILDREN.

Revised August 2007

Bausch & Lomb Incorporated

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Revised August 2007

Additional barcode labeling by: Physicians Total Care, Inc. Tulsa, Oklahoma 74146

PACKAGE/LABEL PRINCIPAL DISPLAY PANEL

Gentamicin Sulfate Ophthalmic Solution USP, 0.3% (sterile)

Rx only



GENTAMICIN SULFATE

gentamicin sulfate solution/ drops

Product Information

HUMAN PRESCRIPTION DRUG **Item Code (Source)** NDC:54868-6745(NDC:24208-580) Product Type

Route of Administration OPHTHALMIC

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength	
GENTAMICIN SULFATE (UNII: 8 X7386 QRLV) (GENTAMICIN - UNII: T6 Z9 V48 IKG)	GENTAMICIN	3 mg in 1 mL	

Inactive Ingredients					
Ingredient Name	Strength				
BENZALKO NIUM CHLO RIDE (UNII: F5UM2KM3W7)					
SO DIUM PHO SPHATE, DIBASIC (UNII: GR686LBA74)					
HYDRO CHLO RIC ACID (UNII: QTT17582CB)					
SO DIUM PHO SPHATE, MO NO BASIC (UNII: 3980 JIH2SW)					
WATER (UNII: 059QF0KO0R)					
SODIUM CHLORIDE (UNII: 451W47IQ8X)					
SO DIUM HYDRO XIDE (UNII: 55X04QC32I)					

P	Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date	
1	NDC:54868-6745-1	1 in 1 CARTON			
1		5 mL in 1 BOTTLE, DROPPER			
2	NDC:54868-6745-2	1 in 1 CARTON			
2		15 mL in 1 BOTTLE, DROPPER			

Marketing In	nformation
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ANDA			ANDA064048		09/17/1993	

Labeler - Physicians Total Care, Inc. (194123980)

Establishment					
Name	Address	ID/FEI	Business Operations		
Physicians Total Care, Inc.		194123980	relabel		

Revised: 2/2012 Physicians Total Care, Inc.