

**TOBRAMYCIN- tobramycin solution/ drops**  
**Proficient Rx LP**

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**Rx Only**  
**For Topical Ophthalmic Use Only**

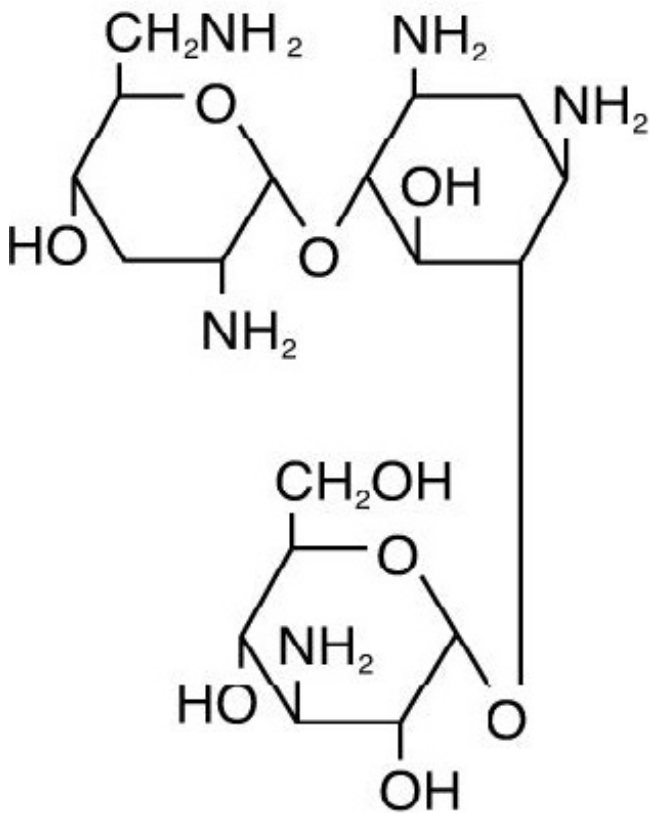
**DESCRIPTION**

Tobramycin ophthalmic solution is a sterile topical ophthalmic antibiotic formulation prepared specifically for topical therapy of external ophthalmic infections.

Each mL of Tobramycin ophthalmic solution USP, 0.3% contains: **Active:** tobramycin 0.3% (3 mg). **Preservative:** Benzalkonium chloride 0.01% (0.1 mg). **Inactives:** boric acid, sodium sulfate, sodium chloride, tyloxapol, sodium hydroxide and/or sulfuric acid (to adjust pH) and water for injection. Tobramycin ophthalmic solution has a pH range between 7.0 and 8.0 and an osmolality of 260-320 mOsm/kg.

Tobramycin is a water-soluble aminoglycoside antibiotic active against a wide variety of gram-negative and gram-positive ophthalmic pathogens.

The chemical structure of tobramycin is:



Molecular Weight = 467.52

Molecular Formula: C<sub>18</sub>H<sub>37</sub>N<sub>5</sub>O<sub>9</sub>

Chemical name: 0-{3-amino-3-deoxy- $\alpha$ -D-gluco-pyranosyl-(1 $\rightarrow$ 4) }-0-{2,6-diamino-2,3,6-trideoxy- $\alpha$ -D-ribohexo-pyranosyl-(1 $\rightarrow$ 6) }-2-deoxystreptamine.

## **CLINICAL PHARMACOLOGY**

*In Vitro Data:* *In vitro* studies have demonstrated tobramycin is active against susceptible strains of the following microorganisms: *Staphylococci*, including *S. aureus* and *S. epidermidis* (coagulase-positive and coagulase-negative), including penicillin-resistant strains.

*Streptococci*, including some of the Group A-beta-hemolytic species, some nonhemolytic species, and some *Streptococcus pneumoniae*.

*Pseudomonas aeruginosa*, *Escherichia coli*, *Klebsiella pneumoniae*, *Enterobacter aerogenes*, *Proteus mirabilis*, *Morganella morganii*, most *Proteus vulgaris* strains, *Haemophilus influenzae* and *H. aegyptius*, *Moraxella lacunata*, *Acinetobacter calcoaceticus* and some *Neisseria species*. Bacterial susceptibility studies demonstrate that in some cases, microorganisms resistant to gentamicin retain susceptibility to tobramycin.

## **INDICATIONS AND USAGE**

Tobramycin ophthalmic solution is a topical antibiotic indicated in the treatment of external infections of the eye and its adnexa caused by susceptible bacteria. Appropriate monitoring of bacterial response to topical antibiotic therapy should accompany the use of Tobramycin Ophthalmic Solution. Clinical studies have shown tobramycin to be safe and effective for use in children.

## **CONTRAINDICATIONS**

Tobramycin ophthalmic solution is contraindicated in patients with known hyper sensitivity to any of its components.

## **WARNINGS**

FOR TOPICAL OPHTHALMIC USE ONLY. NOT FOR INJECTION INTO THE EYE. Sensitivity to topically applied aminoglycosides may occur in some patients. If a sensitivity reaction to Tobramycin ophthalmic solution occurs, discontinue use.

## **PRECAUTIONS**

### **General**

As with other antibiotic preparations, prolonged use may result in overgrowth of nonsusceptible organisms, including fungi. If superinfection occurs, appropriate therapy should be initiated. Cross-sensitivity to other aminoglycoside antibiotics may occur; if hypersensitivity develops with this product, discontinue use and institute appropriate therapy. Patients should be advised not to wear contact lenses if they have signs and symptoms of bacterial ocular infection.

## **Information For Patients**

Do not touch dropper tip to any surface, as this may contaminate the solution.

## **Pregnancy Category B**

Reproduction studies in three types of animals at doses up to thirty-three times the normal human systemic dose have revealed no evidence of impaired fertility or harm to the fetus due to tobramycin. There are, however, no adequate and well-controlled studies in pregnant women. Because animal studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

## **Nursing Mothers**

Because of the potential for adverse reactions in nursing infants from Tobramycin ophthalmic solution, a decision should be made whether to discontinue nursing the infant or discontinue the drug, taking into account the importance of the drug to the mother.

## **Pediatric Use**

Safety and effectiveness in pediatric patients below the age of 2 months has not been established.

## **Geriatric Use**

No overall differences in safety or effectiveness have been observed between elderly and younger patients.

## **ADVERSE REACTIONS**

The most frequent adverse reactions to Tobramycin ophthalmic solution are hypersensitivity and localized ocular toxicity, including lid itching and swelling, and conjunctival erythema. These reactions occur in less than three of 100 patients treated with Tobramycin ophthalmic solution. Similar reactions may occur with the topical use of other aminoglycoside antibiotics. Other adverse reactions have not been reported from Tobramycin ophthalmic solution therapy; however, if topical ocular tobramycin is administered concomitantly with systemic aminoglycoside antibiotics, care should be taken to monitor the total serum concentration.

## **OVERDOSAGE**

Clinically apparent signs and symptoms of an overdose of Tobramycin ophthalmic solution (punctate keratitis, erythema, increased lacrimation, edema and lid itching) may be similar to adverse reaction effects seen in some patients.

## **DOSAGE AND ADMINISTRATION**

In mild to moderate disease, instill one or two drops into the affected eye(s) every four hours. In severe infections, instill two drops into the eye(s) hourly until improvement,

following which treatment should be reduced prior to discontinuation.

## HOW SUPPLIED

5 mL sterile solution is packaged in a 10 mL white LDPE bottle and natural LDPE nozzle and White HDPE cap (NDC 71205-101-05) containing Tobramycin ophthalmic solution.

TAMPER EVIDENT SEAL

**Storage:** Store at 2° - 25°C (36° - 77°F).

For Product Inquiry call +1-800-417-9175

**Revised:** October, 2019

## Manufactured for:

Somerset Therapeutics, LLC

Hollywood, FL 33024

Made in India

Code No.: KR/DRUGS/KTK/28/289/97

ST-TBR11/P/01

## Relabeled By:

Proficient Rx LP

Thousand Oaks, CA 91320

## PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

Container Label

Scan Here

NDC 71205-101-05

Relabeled By: Proficient Rx LP  
Thousand Oaks, CA 91320

**ProficientRx**

**Tobramycin 0.3%**  
**5mL Ophth Solution**

Each ml contains: Tobramycin 0.3% (3 mg )

See package insert

Do not touch dropper tip to any surface, as this may contaminate the solution. FOR USE IN THE EYE

Product ID: ST010105

Mfr. For Somerset Therapeutics, LLC Hollywood, FL 33024 Made in India

Store at 2° - 25°C (36° - 77°F)

Keep medication out of the reach of children

Tobramycin 0.3% 5mL Ophth Solution Lot # 00000 NDC 71205-101-05	SN# MASTER Exp: 00/00/00
Tobramycin 0.3% 5mL Ophth Solution Lot # 00000 NDC 71205-101-05	SN# MASTER Exp: 00/00/00
Tobramycin 0.3% 5mL Ophth Solution Lot # 00000 NDC 71205-101-05	SN# MASTER Exp: 00/00/00

GTIN: 00371205101053  
SN# MASTER  
Exp. 00/00/00  
Lot #: 00000

# TOBRAMYCIN

tobramycin solution/ drops

## Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:71205-101(NDC:70069-131)
<b>Route of Administration</b>	OPHTHALMIC		

## Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
TOBRAMYCIN (UNII: VZ8RRZ51VK) (TOBRAMYCIN - UNII:VZ8RRZ51VK)	TOBRAMYCIN	3 mg in 1 mL

## Inactive Ingredients

Ingredient Name	Strength
BENZALKONIUM CHLORIDE (UNII: F5UM2KM3W7)	
BORIC ACID (UNII: R57ZHV85D4)	
SODIUM SULFATE ANHYDROUS (UNII: 36KCS0R750)	
TYLOXAPOL (UNII: Y27PUL9H56)	
SODIUM CHLORIDE (UNII: 451W47IQ8X)	
SODIUM HYDROXIDE (UNII: 55X04QC32I)	
SULFURIC ACID (UNII: O40UQP6WCF)	
WATER (UNII: 059QF0KO0R)	

## Product Characteristics

<b>Color</b>	WHITE (Clear, colorless solution)	<b>Score</b>	
<b>Shape</b>		<b>Size</b>	
<b>Flavor</b>		<b>Imprint Code</b>	
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:71205-101-05	1 in 1 CARTON	09/04/2018	
1		5 mL in 1 BOTTLE; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA207444	07/05/2017	

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

**Establishment**

<b>Name</b>	<b>Address</b>	<b>ID/FEI</b>	<b>Business Operations</b>
Proficient Rx LP		079196022	RELABEL(71205-101)

Revised: 4/2022

Proficient Rx LP