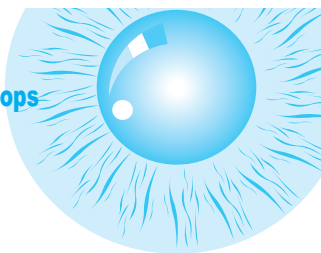


# Genacyn<sup>®</sup> Eye/Ear Drops



## Gentamicin BP 0.3%

Sterile solution

Gentamicin sulphate actively transported across the bacterial cell membrane, binds to a specific receptor protein on the 30S subunit of bacterial ribosome and interferes with an initiation complex between mRNA (messenger RNA) and the 30S subunit, inhibiting protein synthesis. DNA may be misread, thus producing nonfunctional proteins; polyribosomes are split apart and are unable to synthesize protein.

Gentamicin sulphate is active against many strains of the following microorganisms: *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Streptococcus pyogenes*, *Streptococcus pneumoniae*, *Escherichia coli*, *Haemophilus influenzae*, *Klebsiella pneumoniae*, *Niesseria gonorrhoea*, *Pseudomonus aeruginosa*, and *Serratia marcescens*.

### COMPOSITION

**Genacyn<sup>®</sup> 0.3% Eye/Ear Drops:** Each ml contains Gentamicin BP 3 mg as sulphate.

### INDICATION

Blepharitis, blepharoconjunctivitis, conjunctivitis, dacryocystitis, keratitis, keratoconjunctivitis, acute meibomianitis, and corneal ulcers caused by susceptible organisms. Otorrhea associated with external otitis, chronic suppurative otitis media, subacute purulent otitis media, postoperative otorrhea, such as that following fenestration, mastoidectomy or tympanoplasty.

### DOSAGE AND ADMINISTRATION

**Eye:** 1-2 drops instilled in affected eye up to 6 times a day or more frequently if required (severe infections may require 1-2 drops every 15-20 minutes initially, reducing the frequency of instillation gradually as the infection is controlled).

**Ear:** The area should be cleaned and 2-3 drops should be instilled every 3-4 times a day, or more frequently if required.

### CONTRAINDICATION

This drug is contraindicated in individuals with a history of sensitivity reaction to any of its components.

### PRECAUTION

Use of topical Gentamicin may occasionally allow overgrowth of nonsusceptible organisms, including fungi. If these occurs or if irritation, sensitization develops, treatment with Gentamicin should be discontinued and appropriate therapy instituted.

### WARNING

Gentamicin ear/eye drops is not for injection, It should never be injected subconjunctivally, nor it should be directly introduced into the anterior chamber of the eye.

### SIDE EFFECT

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

### DRUG INTERACTION

None has been reported so far with topical and Eye/Ear drops.

### USE IN PREGNANCY AND LACTATION

Safety profile of Gentamicin in pregnancy is not yet established and should be administered when considered essential.

### STORAGE

Store below 30<sup>0</sup>C in a cool and dry place protected from light. Keep out of reach of children. Do not touch the dropper tip to surfaces since this may contaminate the solution. Do not use after 30 days of first opening.

### HOW SUPPLIED

**Genacyn<sup>®</sup> Eye/Ear drops:** Each plastic dropper bottle contains 10 ml of Gentamicin 0.3% sterile solution.

Manufactured by :



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