

KirOftal NeoDex

REGISTRATION NUMBER Q-0790-133

FORMULATION:

Each mL contains:

Dexamethasone sodium
phosphate equivalent to 1.0 mg
of dexamethasone phosphate
Neomycin sulfate equivalent to 3.5 mg
of neomycin base
Vehicle q.s. 1.0 mL

DOSAGE SIZE AND FORM: 5 mL Dropper bottle

OPHTHALMIC SOLUTION

NEOMYCIN / DEXAMETHASONE

ANTIBIOTIC AND STEROIDAL ANTI-INFLAMMATORY

INDICATIONS:

In inflammatory conditions of the anterior segment of the eye or its adjacent areas and in infectious complications caused by germs sensitive to Neomycin. As in cases of: superficial keratitis, deep keratitis without corneal damage, infectious keratitis, infectious and allergic conjunctivitis, acute iritis, iridocyclitis, anterior uveitis, blepharitis both infectious and allergic.

PHARMACOLOGY

Dexamethasone is a synthetic glucocorticoid. Dexamethasone sodium phosphate has anti-inflammatory activity at the tissue level and suppresses inflammation in various diseases of the anterior segment of the eye.

It has local anti-inflammatory action and do not require metabolic modifications to be active. Its mechanism of action is due to the inhibition of edema, fibrin deposition, capillary dilatation, leukocyte migration to the inflamed area and phagocytic activity. It also inhibits fibroblast proliferation and collagen deposition, stabilizes the lysosomal membrane and decreases prostaglandin and thromboxane synthesis.

Dexamethasone also has an immunosuppressive effect which prevents cell-mediated immune reactions, thereby having an antiallergic action.

Glucocorticoids applied to the eye pass through the cornea into the aqueous humor and adjacent structures, causing a potential elevation of intraocular pressure. Its metabolism is carried out in the liver and kidney. Its elimination is carried out by the renal route in the form of inactive metabolites.

PHARMACOLOGY

Neomycin is a broad-spectrum antibiotic; it inhibits protein synthesis at the level of the 30s ribosomal subunit, and induces the misreading of amino acids by messenger RNA. It is useful against both Gram-positive bacteria (e.g., *Staphylococcus aureus*, *E. faecalis*, *M. tuberculosis*) and especially against gram-negative bacteria (e.g., *E. coli*, *Enterobacter aerogenes*, *Klebsiella pneumoniae*, *Proteus vulgaris*) and even mycobacteria.

The topical or ocular absorption of this antibiotic is insufficient to cause systemic effects. It is metabolized by the hepatic route and excreted renally.

SPECIES:

Canines and felines.



**DOSE:**

Apply 2 drops to the conjunctival sac every 2 hours, once a favorable response is achieved, decrease the frequency every 4 hours or at the Veterinary Doctor's discretion.

ROUTE OF ADMINISTRATION:

Ophthalmic only.

GENERAL PRECAUTIONS:

It is generally not indicated to use corticosteroid ophthalmic products alone or in combination with an antibiotic after uncomplicated removal of a superficial corneal foreign body.

In animal patients under prolonged or repeated treatment with ophthalmic corticosteroids, periodic eye examination with corneal and crystalline lens examination should be included, since cases of cataract formation, glaucoma and corneal liquefaction have been observed after prolonged treatments.

The application of corticosteroids may activate, exacerbate or mask ocular infections caused by viruses, fungi or bacteria. It is not recommended to use it for prolonged periods as the risk of hypersensitivity to neomycin is increased.

WARNINGS AND/OR RESTRICTIONS:

Do not apply in acute infectious stages, viral diseases of the cornea and conjunctiva such as acute herpes simplex. Acute purulent infections caused by neomycin-resistant germs. Do not apply in cases of suspected corneal ulcer, lacerations or mechanical abrasions of the eye. Keep in a dry, cool place, at a range of 15 - 30°C and protected against direct sunlight. Keep out of reach of children and pets. Product for exclusive use in Veterinary Medicine.

CONSULT A VETERINARY DOCTOR
AVAILABLE BY PRESCRIPTION ONLY