

Ketorine M Eye Drop

**Product Information: Ketorolac (5% w/v)
+ Moxifloxacin (0.5% w/v) Eye Drops**

Composition:

- **Ketorolac Tromethamine (5% w/v):** A non-steroidal anti-inflammatory drug (NSAID) that reduces inflammation and pain in the eye.
 - **Moxifloxacin Hydrochloride (0.5% w/v):** A fourth-generation fluoroquinolone antibiotic that treats bacterial infections in the eye.
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Pharmacological Class:

- **Ketorolac: Non-Steroidal Anti-Inflammatory Drug (NSAID).**
 - **Moxifloxacin: Fluoroquinolone antibiotic.**
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Indications:

This combination is indicated for:

- **Post-operative inflammation and pain associated with cataract surgery or other ocular surgeries.**
 - **Prevention and treatment of bacterial infections in the eye.**
 - **Management of inflammatory conditions with a risk of bacterial superinfection.**
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Mechanism of Action:

1. **Ketorolac: Inhibits cyclooxygenase (COX-1 and COX-2) enzymes, blocking prostaglandin synthesis to reduce pain, inflammation, and swelling in the eye.**
 2. **Moxifloxacin: Inhibits bacterial DNA gyrase and topoisomerase IV, essential enzymes for bacterial DNA replication and repair, leading to bacterial death.**
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Dosage and Administration:

- **Adults and children above 12 years:**
 - **1 drop in the affected eye(s) 3-4 times daily or as prescribed by a physician.**
 - **Start 24 hours before surgery (if for prophylaxis) and continue for 7-10 days postoperatively.**
 - **How to use:**
 - **Shake the bottle well before use.**
 - **Wash hands thoroughly before applying the drops.**
 - **Tilt the head back, pull down the lower eyelid, and instill one drop without touching the tip to the eye or surrounding area.**
 - **Close the eye gently and press on the inner corner for 1-2 minutes.**
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Contraindications:

- Hypersensitivity to Ketorolac, Moxifloxacin, other NSAIDs, fluoroquinolones, or excipients.
 - History of NSAID-induced asthma or severe allergic reactions.
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- Allergic reactions, including swelling or rash.
 - Combined:
 - Blurred vision, sensitivity to light, foreign body sensation.
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Warnings and Precautions:

- Ocular conditions:
 - Avoid use in patients with a history of delayed healing or corneal disorders.
 - Prolonged use of NSAIDs may increase the risk of corneal adverse effects, including thinning or perforation.
 - Infections:
 - Avoid unnecessary or prolonged use to reduce the risk of developing antibiotic resistance.
 - Contact lens wear:
 - Avoid wearing contact lenses during treatment due to the risk of contamination and irritation.
 - Pregnancy and lactation:
 - Use with caution during pregnancy, particularly in the third trimester. Consult a doctor if nursing.
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Adverse Effects:

- Ketorolac:
 - Transient burning or stinging sensation.
 - Corneal thinning or delayed wound healing (rare).
 - Moxifloxacin:
 - Eye irritation, redness, or discomfort.
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Drug Interactions:

- Topical NSAIDs: Concurrent use with other NSAIDs may increase the risk of corneal complications.
 - Antibiotics: No major interactions reported; consult a physician for concurrent use with systemic antibiotics.
 - Systemic NSAIDs: Monitor for additive effects or increased risk of adverse reactions.
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Use in Special Populations:

- Pediatrics: Safety and efficacy not established for children under 12 years.
 - Geriatrics: No dosage adjustment needed unless contraindications exist.
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Storage:

- Store below 25°C in a cool, dry place.
 - Protect from light and keep the bottle tightly closed when not in use.
 - Do not freeze.
 - Discard unused portions 4 weeks after opening.
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Packaging:

- **Sterile, multi-dose ophthalmic solution available in 5mL or 10mL dropper bottles with tamper-evident seals.**
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Key Points for Patients:

- 1. Do not touch the dropper tip to any surface to maintain sterility.**
 - 2. Wait at least 5 minutes before using another eye medication.**
 - 3. Report persistent redness, pain, or vision changes to a healthcare provider immediately.**
 - 4. Avoid driving or operating machinery immediately after application due to possible blurred vision.**
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This combination of Ketorolac and Moxifloxacin provides effective anti-inflammatory and antibacterial action, making it a valuable option for managing post-operative eye inflammation and bacterial infections. Always use as directed by your healthcare provider.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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