

# I-GESIC

## Composition

Each ml of **I-GESIC Eye Drop** contains:

Diclofenac sodium

0.1% (1 mg/ml)

## Pharmacology

Diclofenac sodium is one of a series of phenylacetic acids that has demonstrated anti-inflammatory and analgesic properties in pharmacological studies. It inhibits the enzyme cyclooxygenase, which is essential in the biosynthesis of prostaglandins (PGs).

PGs have been shown in many animal models to be mediators of certain kinds of intra-ocular inflammation. In studies performed in animal eyes, PGs have been shown to produce disruption of the blood-aqueous humor barrier, vasodilation, increased vascular permeability, leukocytosis and increased intra-ocular pressure. Limited, if any, systemic absorption occurs with **I-GESIC**.

## Indications

**I-GESIC** is indicated for:

- The treatment of post-operative inflammation in patients who have undergone cataract extraction and IOL implantation.
- Trabeculoplasty and photorefractive keratectomy.
- In ocular inflammatory conditions like iritis, iridocyclitis, chronic conjunctivitis and post-operatively.
- For the temporary relief of pain and photophobia in patients undergoing corneal refractive surgery.

## Contraindications

Hypersensitivity to aspirin or other non-steroidal anti-inflammatory drugs (NSAIDs) and while using soft hydrogel contact lenses.

## Precautions

**I-GESIC**, like other NSAIDs, should be used with caution in surgical patients with known bleeding tendencies or who are receiving other medications, which may prolong bleeding time.

**I-GESIC** may slow or delay healing.

Elevations in intra-ocular pressure may occur with **I-GESIC** following its use in cataract surgery.

Safety and effectiveness of **I-GESIC** in pediatric patients have not been established.

## **Pregnancy & Lactation**

Since there is no adequate data available to confirm the safety of **I-GESIC** during pregnancy and lactation, it is not advisable to use it unless there is a compelling reason to do so.

## **Drug interactions**

There are no major drug interactions with the use of **I-GESIC**. It can be concurrently used with cycloplegics, mydriatics, beta-blockers, antibacterials and carbonic anhydrase inhibitors.

**I-GESIC** should be used with caution along with oral anticoagulants.

## **Adverse Reactions**

Use of **I-GESIC** may be associated with transient burning and stinging sensation, keratitis and elevated intra-ocular pressure. Rarely patients on **I-GESIC** may experience abdominal pain, chills, fever and headache.

## **Dosage & Administration**

One drop of **I-GESIC** should be instilled in the affected eye *qid* beginning 24 hours after surgery and continuing throughout the first two weeks of the post-operative period.

In inflammatory conditions, instill 1 drop *qid* till resolution of symptoms takes place.

## **Presentation**

**I-GESIC** is available in a 5 ml lupolen vial.