

# BE PREPARED FOR YOUR EYE SURGERY WITH **LOTEMAX® GEL**

Use **LOTEMAX® GEL** treatment after your eye surgery to help:

✓ **REDUCE INFLAMMATION**

✓ **RELIEVE PAIN**



There is no generic formulation for **LOTEMAX® GEL**  
**MAKE SURE YOU RECEIVE BRANDED LOTEMAX® GEL**  
**AT THE PHARMACY**

## Indication

**LOTEMAX® GEL** (loteprednol etabonate ophthalmic gel) 0.5% is used to treat inflammation and pain following eye surgery.

## Important Safety Information

- **LOTEMAX® GEL** should not be used if you have an infection in your eye.
- Before using **LOTEMAX® GEL**, turn the closed bottle upside down and shake once to fill the bottle tip. Do not allow the dropper tip to touch any surface, as this may contaminate the gel.

Please see additional Important Safety Information on pages 2 and 3 and full Prescribing Information on pages 5-8.

**BAUSCH+LOMB**

 **LOTEMAX® GEL**  
loteprednol etabonate  
ophthalmic gel 0.5%

# WHY YOUR DOCTOR CHOSE LOTEMAX<sup>®</sup> GEL FOR YOU

Your doctor has prescribed LOTEMAX<sup>®</sup> GEL after your eye surgery to help treat **inflammation and pain**. LOTEMAX<sup>®</sup> GEL offers these important features:



**GEL formulation designed to stay on your eye**

### **Consistent dosing**

**No shaking is required**

With LOTEMAX<sup>®</sup> GEL, you get the same amount of treatment with every drop, every time

### **Designed with these features**

LOTEMAX<sup>®</sup> GEL includes moisturizing ingredients and has a pH level close to human tears

~70% less preservatives than LOTEMAX<sup>®</sup> Suspension (loteprednol etabonate ophthalmic suspension) 0.5%

## **Important Safety Information (cont'd)**

- Do not wear contact lenses when using LOTEMAX<sup>®</sup> GEL.
- Contact your doctor if pain develops or if redness, itching or inflammation becomes aggravated or worsens.
- If you use LOTEMAX<sup>®</sup> GEL for longer than 10 days, your doctor should monitor pressure in your eye.
- Use of medications such as LOTEMAX<sup>®</sup> GEL may result in cataract formation, or may delay healing after cataract surgery.

Please see additional Important Safety Information on pages 1 and 3 and full Prescribing Information on pages 5-8.

MAKE SURE YOU GET

# LOTEMAX<sup>®</sup> GEL AT THE PHARMACY

## LOTEMAX<sup>®</sup> GEL has **no substitute**

Most eye surgeries are once-in-a-lifetime events to improve your vision. You've made this investment because your eyesight is very valuable, and your eye care after surgery is equally important.

Since your doctor has recommended this GEL treatment, it is important to make sure your pharmacist does not switch you to a different, generic formulation.

Make sure you receive savings at the pharmacy.

Most Eligible Patients Pay No More Than\*

Commercially Insured<sup>†</sup>

**\$35**

Uninsured Patients<sup>†</sup>

**\$75**

Medicare Part D

**\$60**

\*Terms, conditions and limitations apply. Please see [www.bauschaccessprogram.com](http://www.bauschaccessprogram.com) and [www.lotemaxgelpartdcoupon.com](http://www.lotemaxgelpartdcoupon.com) for eligibility criteria and terms and conditions.

<sup>†</sup>Exclusively at Walgreens and other participating independent pharmacies.



MAKE SURE TO GET **LOTEMAX<sup>®</sup>**  
GEL AT THE PHARMACY

**LOTEMAX.GEL**  
loteprednol etabonate  
ophthalmic gel 0.5%

### Important Safety Information (cont'd)

- The most common side effects in clinical studies were eye inflammation, eye pain and foreign body sensation.

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit [www.fda.gov/medwatch](http://www.fda.gov/medwatch) or call **1-800-FDA-1088**.

Please see additional Important Safety Information on pages 1 and 2 and full Prescribing Information on pages 5-8.

# GET SPECIAL SAVINGS ON LOTEMAX® GEL

**Bausch + Lomb is committed** to providing co-pay assistance, whether you're an eligible commercially insured, eligible Medicare Part D, or eligible uninsured patient.

## MOST ELIGIBLE COMMERCIALY INSURED PATIENTS\*

**BAUSCH+LOMB**  
ACCESS PROGRAM

EXCLUSIVELY AT WALGREENS AND OTHER  
PARTICIPATING INDEPENDENT PHARMACIES

**PAY NO MORE THAN \$35\*** on each LOTE MAX® GEL prescription. Discounted pricing is also available for eligible uninsured patients.\*

## BE SURE TO ACTIVATE YOUR COUPON

Call **1-866-693-4880** or visit **www.bauschaccessprogram.com**.

\*Terms, conditions and limitations apply. Please see [www.bauschaccessprogram.com](http://www.bauschaccessprogram.com) for eligibility criteria and terms and conditions.

## MOST ELIGIBLE MEDICARE PART D PATIENTS†

**PAY NO MORE THAN \$60†** on each LOTE MAX® GEL prescription.

### 1 BE SURE TO ACTIVATE YOUR COUPON

Call **1-866-685-9605** or visit **www.lotemaxgelpartdcoupon.com**

### 2 BE SURE TO MAIL YOUR LETTER

Once you have redeemed your prescription at the pharmacy, sign and mail the pre-written letter to notify the health plan of your choice to use coupon program benefits. The address can be found on your Medicare card.

†Terms, conditions and limitations apply. Most eligible patients pay no more than \$60.  
Please see [www.lotemaxgelpartdcoupon.com](http://www.lotemaxgelpartdcoupon.com) for eligibility criteria and terms and conditions.

**BAUSCH+LOMB**

LOTE MAX is a trademark of Bausch & Lomb Incorporated or its affiliates.  
All other product/brand names are and/or logos are trademarks of the respective owner.  
©2019 Bausch & Lomb Incorporated or its affiliates. All rights reserved. LGX.0070.USA.19

 **LOTE MAX. GEL**  
loteprednol etabonate  
ophthalmic gel 0.5%



# LOTEMAX<sup>®</sup>

## loteprednol etabonate ophthalmic gel 0.5%

### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use LOTEMAX safely and effectively. See full prescribing information for LOTEMAX.

**LOTEMAX<sup>®</sup> (loteprednol etabonate ophthalmic gel) 0.5%, for topical ophthalmic use**

**Initial U.S. Approval: 1998**

#### INDICATIONS AND USAGE

LOTEMAX is a corticosteroid indicated for the treatment of postoperative inflammation and pain following ocular surgery. (1)

#### DOSAGE AND ADMINISTRATION

- Invert closed bottle and shake once to fill tip before instilling drops. (2)
- Apply one to two drops of LOTEMAX into the conjunctival sac of the affected eye four times daily beginning the day after surgery and continuing throughout the first 2 weeks of the postoperative period. (2)

#### DOSAGE FORMS AND STRENGTHS

LOTEMAX is a sterile preserved ophthalmic gel containing 5 mg of loteprednol etabonate per gram of gel. (3)

#### CONTRAINDICATIONS

LOTEMAX is contraindicated in most viral diseases of the cornea and conjunctiva including epithelial herpes simplex keratitis (dendritic keratitis), vaccinia, and varicella, in mycobacterial infection of the eye and fungal diseases of ocular structures. (4)

#### WARNINGS AND PRECAUTIONS

- Intraocular pressure (IOP) increase - Prolonged use of corticosteroids may result in glaucoma with damage to the optic nerve, defects in visual acuity and fields of vision. If this product is used for 10 days or longer, IOP should be monitored. (5.1)

- Cataracts - Use of corticosteroids may result in posterior subcapsular cataract formation. (5.2)
- Delayed healing - The use of steroids after cataract surgery may delay healing and increase the incidence of bleb formation. In those diseases causing thinning of the cornea or sclera, perforations have been known to occur with the use of topical steroids. The initial prescription and renewal of the medication order should be made by a physician only after examination of the patient with the aid of magnification such as slit lamp biomicroscopy and, where appropriate, fluorescein staining. (5.3)
- Bacterial infections - Prolonged use of corticosteroids may suppress the host response and thus increase the hazard of secondary ocular infection. In acute purulent conditions, steroids may mask infection or enhance existing infection. (5.4)
- Viral infections - Employment of a corticosteroid medication in the treatment of patients with a history of herpes simplex requires great caution. Use of ocular steroids may prolong the course and may exacerbate the severity of many viral infections of the eye (including herpes simplex). (5.5)
- Fungal infections - Fungal infections of the cornea are particularly prone to develop coincidentally with long-term local steroid application. Fungus invasion must be considered in any persistent corneal ulceration where a steroid has been used or is in use. (5.6)

#### ADVERSE REACTIONS

The most common adverse drug reactions (2-5%) were anterior chamber inflammation, eye pain, and foreign body sensation. (6)

**To report SUSPECTED ADVERSE REACTIONS, contact Bausch + Lomb, a division of Valeant Pharmaceuticals North America LLC, at 1-800-321-4576 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

**See 17 for PATIENT COUNSELING INFORMATION.**

Revised: 07/2018

### FULL PRESCRIBING INFORMATION: CONTENTS\*

- 1 INDICATIONS AND USAGE**
- 2 DOSAGE AND ADMINISTRATION**
- 3 DOSAGE FORMS AND STRENGTHS**
- 4 CONTRAINDICATIONS**
- 5 WARNINGS AND PRECAUTIONS**
  - 5.1 Intraocular Pressure (IOP) Increase
  - 5.2 Cataracts
  - 5.3 Delayed Healing
  - 5.4 Bacterial Infections
  - 5.5 Viral Infections
  - 5.6 Fungal Infections
  - 5.7 Contact Lens Wear
- 6 ADVERSE REACTIONS**

- 8 USE IN SPECIFIC POPULATIONS**
  - 8.1 Pregnancy
  - 8.2 Lactation
  - 8.4 Pediatric Use
  - 8.5 Geriatric Use
- 11 DESCRIPTION**
- 12 CLINICAL PHARMACOLOGY**
  - 12.1 Mechanism of Action
  - 12.3 Pharmacokinetics
- 13 NONCLINICAL TOXICOLOGY**
  - 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
- 14 CLINICAL STUDIES**
- 16 HOW SUPPLIED/STORAGE AND HANDLING**
- 17 PATIENT COUNSELING INFORMATION**

\*Sections or subsections omitted from the full prescribing information are not listed.

## FULL PRESCRIBING INFORMATION

### 1 INDICATIONS AND USAGE

LOTEMAX® is a corticosteroid indicated for the treatment of post-operative inflammation and pain following ocular surgery.

### 2 DOSAGE AND ADMINISTRATION

Invert closed bottle and shake once to fill tip before instilling drops.

Apply one to two drops of LOTE MAX into the conjunctival sac of the affected eye four times daily beginning the day after surgery and continuing throughout the first 2 weeks of the post-operative period.

### 3 DOSAGE FORMS AND STRENGTHS

LOTE MAX (loteprednol etabonate ophthalmic gel) is a sterile preserved ophthalmic gel 0.5% containing 5 mg of loteprednol etabonate per gram of gel.

### 4 CONTRAINDICATIONS

LOTE MAX is contraindicated in most viral diseases of the cornea and conjunctiva including epithelial herpes simplex keratitis (dendritic keratitis), vaccinia, and varicella, in mycobacterial infection of the eye and fungal diseases of ocular structures.

### 5 WARNINGS AND PRECAUTIONS

#### 5.1 Intraocular Pressure (IOP) Increase

Prolonged use of corticosteroids, including LOTE MAX, may result in glaucoma with damage to the optic nerve, defects in visual acuity and fields of vision. Steroids should be used with caution in the presence of glaucoma. If this product is used for 10 days or longer, intraocular pressure should be monitored.

#### 5.2 Cataracts

Use of corticosteroids may result in posterior subcapsular cataract formation.

#### 5.3 Delayed Healing

The use of steroids after cataract surgery may delay healing and increase the incidence of bleb formation. In those diseases causing thinning of the cornea or sclera, perforations have been known to occur with the use of topical steroids. The initial prescription and renewal of the medication order should be made by a physician only after examination of the patient with the aid of magnification such as slit lamp biomicroscopy and, where appropriate, fluorescein staining.

#### 5.4 Bacterial Infections

Prolonged use of corticosteroids may suppress the host response and thus increase the hazard of secondary ocular infections. In acute purulent conditions of the eye, steroids may mask infection or enhance existing infection.

#### 5.5 Viral Infections

Employment of a corticosteroid medication in the treatment of patients with a history of herpes simplex requires great caution. Use of ocular steroids may prolong the course and may exacerbate the severity of many viral infections of the eye (including herpes simplex).

#### 5.6 Fungal Infections

Fungal infections of the cornea are particularly prone to develop coincidentally with long-term local steroid application. Fungus invasion must be considered in any persistent corneal ulceration where a steroid has been used or is in use. Fungal cultures should be taken when appropriate.

#### 5.7 Contact Lens Wear

Patients should not wear contact lenses during their course of therapy with LOTE MAX.

### 6 ADVERSE REACTIONS

Adverse reactions associated with ophthalmic steroids include elevated intraocular pressure, which may be associated with infrequent optic nerve damage, visual acuity and field defects, posterior subcapsular cataract formation, delayed wound healing and secondary ocular infection from pathogens including herpes simplex, and perforation of the globe where there is thinning of the cornea or sclera.

The most common adverse drug reactions reported in the clinical trials (2-5%) were anterior chamber inflammation, eye pain, and foreign body sensation.

### 8 USE IN SPECIFIC POPULATIONS

#### 8.1 Pregnancy

##### Risk Summary

There are no adequate and well-controlled studies with loteprednol etabonate in pregnant women.

Loteprednol etabonate produced teratogenicity at clinically relevant doses in the rabbit and rat when administered orally during pregnancy. Loteprednol etabonate produced malformations when administered orally to pregnant rabbits at doses  $\geq 1.2$  times the recommended human ophthalmic dose (RHOD) and to pregnant rats at doses  $\geq 30$  times the RHOD. In pregnant rats receiving oral doses of loteprednol etabonate during the period equivalent to the last trimester of pregnancy through lactation in humans, survival of offspring was reduced at doses  $\geq 3$  times the RHOD. Maternal toxicity was observed in rats at doses  $\geq 304$  times the RHOD, and a maternal no observed adverse effect level (NOAEL) was established at 30 times the RHOD.

The background risk of major birth defects and miscarriage for the indicated population is unknown. However, the background risk in the U.S. general population of major birth defects is 2 to 4%, and of miscarriage is 15 to 20%, of clinically recognized pregnancies.



## Data

### Animal Data

Embryofetal studies were conducted in pregnant rabbits administered loteprednol etabonate by oral gavage on gestation days 6 to 18, to target the period of organogenesis. Loteprednol etabonate produced fetal malformations at doses  $\geq 0.1$  mg/kg (1.2 times the recommended human ophthalmic dose (RHOD) based on body surface area, assuming 100% absorption). Spina bifida (including meningocele) was observed at doses  $\geq 0.1$  mg/kg, and exencephaly and craniofacial malformations were observed at doses  $\geq 0.4$  mg/kg (4.9 times the RHOD). At 3 mg/kg (36 times the RHOD), loteprednol etabonate was associated with increased incidences of abnormal left common carotid artery, limb flexures, umbilical hernia, scoliosis, and delayed ossification. Abortion and embryofetal lethality (resorption) occurred at doses  $\geq 6$  mg/kg (73 times the RHOD). A NOEL for developmental toxicity was not established in this study. The NOEL for maternal toxicity in rabbits was 3 mg/kg/day.

Embryofetal studies were conducted in pregnant rats administered loteprednol etabonate by oral gavage on gestation days 6 to 15, to target the period of organogenesis. Loteprednol etabonate produced fetal malformations, including absent innominate artery at doses  $\geq 5$  mg/kg (30 times the RHOD); and cleft palate, agnathia, cardiovascular defects, umbilical hernia, decreased fetal body weight and decreased skeletal ossification at doses  $\geq 50$  mg/kg (304 times the RHOD). Embryofetal lethality (resorption) was observed at 100 mg/kg (608 times the RHOD). The NOEL for developmental toxicity in rats was 0.5 mg/kg (3 times the RHOD). Loteprednol etabonate was maternally toxic (reduced body weight gain) at doses of  $\geq 50$  mg/kg/day. The NOEL for maternal toxicity was 5 mg/kg.

A peri-/postnatal study was conducted in rats administered loteprednol etabonate by oral gavage from gestation day 15 (start of fetal period) to postnatal day 21 (the end of lactation period). At doses  $\geq 0.5$  mg/kg (3 times the clinical dose), reduced survival was observed in live-born offspring. Doses  $\geq 5$  mg/kg (30 times the RHOD) caused umbilical hernia/incomplete gastrointestinal tract. Doses  $\geq 50$  mg/kg (304 times the RHOD) produced maternal toxicity (reduced body weight gain, death), decreased number of live-born offspring, decreased birth weight, and delays in postnatal development. A developmental NOEL was not established in this study. The NOEL for maternal toxicity was 5 mg/kg.

### 8.2 Lactation

There are no data on the presence of loteprednol etabonate in human milk, the effects on the breastfed infant, or the effects on milk production. The developmental and health benefits of breastfeeding should be considered, along with the mother's clinical need for LOTEMAX and any potential adverse effects on the breastfed infant from LOTEMAX.

### 8.4 Pediatric Use

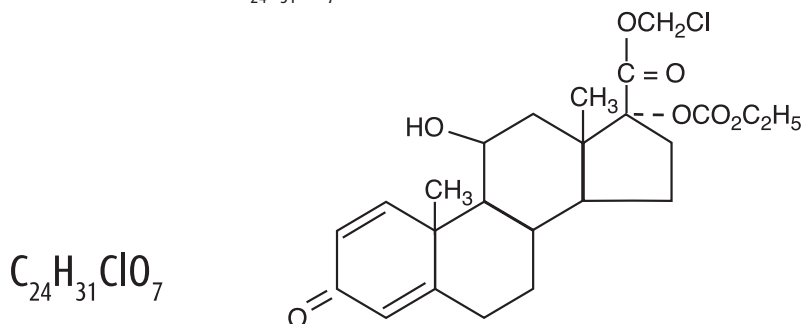
The safety and effectiveness of LOTEMAX have been established in the pediatric population. Use of LOTEMAX in this population is supported by evidence from adequate and well-controlled trials of LOTEMAX in adults with additional data from a safety and efficacy trial in pediatric patients from birth to 11 years of age [see *Clinical Studies (14)*].

### 8.5 Geriatric Use

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

## 11 DESCRIPTION

Loteprednol etabonate is a corticosteroid. Its chemical name is chloromethyl 17 $\alpha$ -[(ethoxycarbonyl)oxy]-11 $\beta$ -hydroxy-3-oxoandrosta-1,4-diene-17 $\beta$ -carboxylate. Its molecular formula is  $C_{24}H_{31}ClO_7$  and its chemical structure is:



Mol. Wt. 466.96

LOTEMAX (loteprednol etabonate ophthalmic gel) 0.5% contains a sterile, topical corticosteroid for ophthalmic use. Loteprednol etabonate is a white to off-white powder.

Each gram contains:

- ACTIVE: loteprednol etabonate 5 mg (0.5%)
- INACTIVES: boric acid, edetate disodium dihydrate, glycerin, polycarbophil, propylene glycol, sodium chloride, tyloxapol, water for injection, and sodium hydroxide to adjust to a pH of between 6 and 7
- PRESERVATIVE: benzalkonium chloride 0.003%

## 12 CLINICAL PHARMACOLOGY

### 12.1 Mechanism of Action

Corticosteroids inhibit the inflammatory response to a variety of inciting agents and probably delay or slow healing. They inhibit the edema, fibrin deposition, capillary dilation, leukocyte migration, capillary proliferation, fibroblast proliferation, deposition of collagen, and scar formation associated with inflammation. While glucocorticoids are known to bind to and activate the glucocorticoid receptor, the molecular mechanisms involved in glucocorticoid/glucocorticoid receptor-dependent modulation of inflammation are not clearly established. However, corticosteroids are thought to inhibit prostaglandin production through several independent mechanisms.

### 12.3 Pharmacokinetics

Loteprednol etabonate is lipid soluble and can penetrate into cells. Loteprednol etabonate is synthesized through structural modifications of prednisolone-related compounds so that it will undergo a predictable transformation to an inactive metabolite. Based upon *in vivo* and *in vitro* preclinical metabolism studies, loteprednol etabonate undergoes extensive metabolism to the inactive carboxylic acid metabolites, PJ-91 and PJ-90. The systemic exposure to loteprednol etabonate following ocular administration of LOTEMAX has not been studied in humans.

## 13 NONCLINICAL TOXICOLOGY

### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term animal studies have not been conducted to evaluate the carcinogenic potential of loteprednol etabonate. Loteprednol etabonate was not genotoxic *in vitro* in the Ames test, the mouse lymphoma tk assay, or in a chromosome aberration test in human lymphocytes, or *in vivo* in the single dose mouse micronucleus assay.

Treatment of female and male rats with doses  $\geq 25$  mg/kg/day of loteprednol etabonate (152 times the RHOD based on body surface area, assuming 100% absorption) prior to and during mating caused preimplantation loss and decreased the number of live fetuses/live births. The NOAEL for fertility in rats was 5 mg/kg/day (30 times the RHOD).

## 14 CLINICAL STUDIES

### Adult Studies

In two randomized, multicenter, double-masked, parallel-group, vehicle-controlled studies in 813 subjects with post-operative inflammation, LOTEMAX was more effective compared to its vehicle in resolving anterior chamber inflammation and pain following cataract surgery. Primary endpoints were complete resolution of anterior chamber cells (cell count of 0) and no pain at post-operative day 8.

In these studies, LOTEMAX had a statistically significant higher incidence of subjects with complete clearing of anterior chamber cells (31% vs. 14-16%) and were pain-free at post-operative day 8 (73-76% vs. 42-46%).

### Pediatric Study

The safety and effectiveness of LOTEMAX were evaluated in a pediatric study of patients from birth to less than 11 years of age (mean age of 3 years) undergoing cataract surgery. Patients were randomized to receive either LOTEMAX (54 patients) or prednisolone acetate ophthalmic suspension 1% (53 patients) four times daily for 14 days. At Day 14, the percentages of patients with complete clearing of anterior chamber inflammation were 57% in the LOTEMAX group and 63% in the prednisolone group.

## 16 HOW SUPPLIED/STORAGE AND HANDLING

LOTEMAX® (loteprednol etabonate ophthalmic gel) 0.5% is a sterile ophthalmic gel supplied in a white low density polyethylene plastic bottle with a white controlled drop tip and a pink polypropylene cap in the following size:

5 g in a 10 mL bottle (NDC 24208-503-07)

**Storage:** Store upright at 15° to 25° C (59° to 77° F).

## 17 PATIENT COUNSELING INFORMATION

### Administration

Invert closed bottle and shake once to fill tip before instilling drops.

### Risk of Contamination

Advise patients not to allow the dropper tip to touch any surface, as this may contaminate the gel.

### Contact Lens Wear

Advise patients not to wear contact lenses when using LOTEMAX.

### Risk of Secondary Infection

Advise the patient to consult a physician if pain develops, redness, itching or inflammation becomes aggravated.

Bausch + Lomb, a division of Valeant Pharmaceuticals North America LLC  
Bridgewater, NJ 08807 USA

© 2018 Bausch & Lomb Incorporated

Lotemax is a trademark of Bausch & Lomb Incorporated or its affiliates.