

# OVERVIEW

Alimera Sciences, Inc., (NASDAQ: ALIM), based in Alpharetta, Georgia, is a pharmaceutical company that specializes in the research, development and commercialization of prescription ophthalmic pharmaceuticals. Alimera Sciences Limited, a subsidiary of Alimera, is based in the United Kingdom and is the headquarters of Alimera's European operations. The company also operates subsidiaries in Germany and Portugal. Presently, the company is focused on diseases affecting the back of the eye, or retina.

The company's lead product, ILUVIEN<sup>®</sup> (fluocinolone acetonide intravitreal implant) 0.19 mg, is indicated in the U.S. for the treatment of diabetic macular edema in patients who have been previously treated with a course of corticosteroids and did not have a clinically significant rise in intraocular pressure.

# ILUVIEN

ILUVIEN is a multiyear, sustained-release intravitreal implant. Each ILUVIEN implant is designed to release submicrogram levels of the corticosteroid, fluocinolone acetonide (FAc), for 36 months. Corticosteroids are potent and effective anti-inflammatory agents. ILUVIEN is injected into the back of the eye with an applicator that employs a 25-gauge needle, which allows for a self-sealing wound. In two phase 3 clinical trials, collectively known as the FAME<sup>™</sup> Study, the most frequently reported adverse drug reactions included cataract development and increased intraocular pressure. Both of these are known side-effects associated with corticosteroid exposure to the eye.

ILUVIEN is approved in the United States to treat diabetic macular edema in patients who have been previously treated with a course of corticosteroids and did not have a clinically significant rise in intraocular pressure. ILUVIEN is also approved in Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden and the United Kingdom where it is indicated for the treatment of vision impairment associated with chronic diabetic macular edema, considered insufficiently responsive to available therapies. ILUVIEN is in the national licensing phase in two additional European countries, the Czech Republic and Poland. It is available commercially in the U.S., Germany, Portugal and the United Kingdom.

# **ILUVIEN FAME™ STUDIES**

- Alimera conducted two 36-month, phase 3 pivotal clinical trials (the FAME Studies) for ILUVIEN for the treatment of DME.
- The FAME study involved 956 patients in sites across the United States, Canada, Europe and India.
- The trials tested the efficacy and safety of two doses of ILUVIEN, a high and low dose, versus a sham injection control group. The primary efficacy endpoint for the FAME Study was the difference in the proportion of patients whose best corrected visual acuity (BCVA) improved by 15 letters or greater over baseline at 24 months.
- A single ILUVIEN implant delivered a continuous daily dose of FAc over 36 months.
- Because the low dose had a more favorable ocular safety profile compared to the high dose and there was no efficacy advantage with the high dose, Alimera sought approval for the low-dose only (ILUVIEN). The following results were seen in ILUVIEN patients versus control patients:

• At 24 months, 28.7% of ILUVIEN patients and 16.2% of control patients (p=0.002) had an improvement in BCVA of 15 letters or greater over baseline.

# **ILUVIEN Important Safety Information**

# Contraindications

- ILUVIEN is contraindicated in patients with active or suspected ocular or periocular infections including most viral disease of the cornea and conjunctiva, including active epithelial herpes simplex keratitis (dendritic keratitis), vaccinia, varicella, mycobacterial infections and fungal diseases.
- ILUVIEN is contraindicated in patients with glaucoma, who have cup to disc ratios of greater than 0.8.
- ILUVIEN is contraindicated in patients with known hypersensitivity to any components of this product.

# Warnings and Precautions

- Intravitreal injections have been associated with endophthalmitis, eye inflammation, increased intraocular pressure, and retinal detachments. Patients should be monitored following the injection.
- Use of corticosteroids may produce posterior subcapsular cataracts, increased intraocular pressure, glaucoma, and may enhance the establishment of secondary ocular infections due to bacteria, fungi, or viruses. Corticosteroids are not recommended to be used in patients with a history of ocular herpes simplex because of the potential for reactivation of the viral infection.
- Patients in whom the posterior capsule of the lens in absent or has a tear are at risk of implant migration into the anterior chamber.

# **Adverse Reactions**

- In controlled studies, the most common adverse reactions reported were cataract development (ILUVIEN 82%; sham 50%) and intraocular pressure elevation of >10 mmHg (ILUVIEN 34%; sham 10%).
- Patients are advised to have follow-up eye examinations at appropriate intervals following treatment with ILUVIEN. For full prescribing information, log onto www.ILUVIEN.com.

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch, or call 1-800-FDA-1088.

Please see Full Prescribing Information below.

# **INTRAVITREAL IMPLANT**

- ILUVIEN consists of a tiny polyimide tube filled with 190 μg of FAc dispersed in a polyvinyl alcohol matrix.
  - ILUVIEN is non-bioerodable; however, both polyimide and the polyvinyl alcohol matrix are biocompatible with ocular tissues and have histories of extensive use within the eye.
  - The non-bioerodable nature of the ILUVIEN drug delivery system results in a constant surface area, which allows for daily submicrogram release of FAc over 36 months.
- ILUVIEN is injected into the back of the eye with a unique drug delivery system that features an ergonomic design and transparent window to visually confirm ILUVIEN's presence in the applicator.

- ILUVIEN uses a 25-gauge needle with the injector, which results in a wound that is small enough to seal itself after ILUVIEN has been injected into the back of the eye and the needle has been removed.
- In the U.S., this non-surgical procedure is performed in the retinal specialist's office.

# **DIABETIC MACULAR EDEMA (DME)**

Diabetic Macular Edema (DME), the primary cause of vision loss associated with diabetic retinopathy, is a disease affecting the macula, the part of the retina responsible for central vision. DME can occur during any stage of diabetic retinopathy and develops when blood vessels leak causing fluid accumulation and swelling, or edema, in the macula. The macula is comprised of a highly sensitive complex of cells known as photoreceptors. When the macula is swollen or edematous due to excess fluid, this system is stressed, which can lead to blurred vision and potentially irreversible vision loss.

# **FACTS & FIGURES:**

- Approximately 19 percent of patients with diabetes studied over a 10-year period were diagnosed with DME.<sup>1</sup>
- At least 382 million people worldwide have diabetes; this figure is likely rise to 592 million by 2035.<sup>2</sup>
- More than 560,000 Americans have DME<sup>3</sup>
- All people with type 1 or type 2 diabetes are at risk for DME.<sup>4</sup>

# CONTACTS

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For more information, visit <u>www.alimerasciences.com</u> and <u>www.ILUVIEN.com</u>.

 Klein, R., Knudtson, M.D., Lee, K.E., Gangnon, R., Klein, B.E.K. (2009). The Wisconsin epidemiologic study of diabetic retinopathy. XXIII: the twenty-five-year incidence of macular edema in persons with Type 1 Diabetes. Ophthalmology. 116(3), 497-503.
International Diabetes Federation. IDF Diabetes Atlas, 6th edn. Brussels, Belgium: International Diabetes Federation, 2013. <u>http://www.idf.org/diabetesatlas</u>

4. National Institutes of Health, The Centers for Disease Control and Prevention, and USA.gov. "Diabetic Retinopathy." Diabetic Eye Disease, Statistics and Data [NEI]. National Eye Institute, n.d. Web. 16 Sept. 2014

<sup>3. &</sup>quot;Epidemiology of Diabetic Macular Edema" Karen Skinner MPH. Kantar Health. New York, NY.

#### HIGHLIGHTS OF PRESCRIBING INFORMATION

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

### ILUVIEN® (fluocinolone acetonide intravitreal implant) 0.19 mg For Intravitreal Injection Initial U.S. Approval: 1963

INDICATIONS AND USAGE

ILUVIEN contains a corticosteroid and is indicated for the treatment of diabetic macular edema in patients who have been previously treated with a course of corticosteroids and did not have a clinically significant rise in intraocular pressure. (1)

DOSAGE AND ADMINISTRATION

For ophthalmic intravitreal injection, (2.1)

• The intravitreal injection procedure should be carried out under aseptic conditions. (2.2)

· Following the intravitreal injection, patients should be monitored for elevation in intraocular pressure and for endophthalmitis. (2.2)

### **DOSAGE FORMS AND STRENGTHS**

Non-bioerodable intravitreal implant containing 0.19 mg fluocinolone acetonide in a drug delivery system. (3)

# CONTRAINDICATIONS

• Ocular or periocular infections (4.1)

Glaucoma (4.2)

### • Hypersensitivity (4.3)

WARNINGS AND PRECAUTIONS

• Intravitreal injections have been associated with endophthalmitis, eye inflammation, increased intraocular pressure, and retinal detachments. Patients

• Use of corticosteroids may produce posterior subcapsular cataracts, increased intraocular pressure, glaucoma, and may enhance the establishment of secondary ocular infections due to bacteria, fungi, or viruses. (5.2)

• The implant may migrate into the anterior chamber if the posterior lens capsule is not intact. (5.3)

### ADVERSE REACTIONS

should be monitored following the injection, (5.1)

In controlled studies, the most common adverse reactions reported were cataract development and increases in intraocular pressure. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Alimera Sciences, Inc. at 1-844-445-8843 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

### See 17 for PATIENT COUNSELING INFORMATION

Revised: 12/2014

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### **1 INDICATIONS AND USAGE**

**ILUVIEN**<sup>®</sup> (fluocinolone acetonide intravitreal implant) 0.19 mg is indicated for the treatment of diabetic macular edema in patients who have been previously treated with a course of corticosteroids and did not have a clinically significant rise in intraocular pressure

# 2 DOSAGE AND ADMINISTRATION 2.1 General Dosing Information

# For ophthalmic intravitreal injection.

### 2.2 Administration

The intravitreal injection procedure should be carried out under aseptic conditions, which include use of sterile gloves, a sterile drape, a sterile caliper, and a sterile eyelid speculum (or equivalent). Adequate anesthesia and a broad-spectrum microbicide should be given prior to the injection.

The injection procedure for ILUVIEN is as follows:

1. The exterior of the tray should not be considered sterile. An assistant (nonsterile) should remove the tray from the carton and examine the tray and lid for damage. If damaged, do not use unit. If acceptable, the assistant should peel the lid from the tray without touching

# the interior surface.

2. Visually check through the viewing window of the preloaded applicator to ensure that there is a drug implant inside.

### 3. Remove the applicator from the tray with sterile gloved hands touching only the sterile interior tray surface and applicator.

The protective cap on the needle should not be removed until the patient is ready to be injected.

Prior to injection, the applicator tip must be kept above the horizontal plane to ensure that the implant is properly positioned within the applicator

- 4. To reduce the amount of air administered with the implant, the administration procedure requires two steps. Before inserting the needle into the eve. push the applicator button down and slide it to the first stop (at the curved black marks alongside the button track). At the first stop, release the button and it should move to the UP position. If the button does not rise to the UP position. do not proceed with this unit.
- 5. Optimal placement of the implant is inferior to the optic disc and posterior to the equator of the eye. Measure 4 millimeters inferotemporal from the limbus with the aid of calipers for point of entry into the sclera
- 6. Carefully remove the protective cap from the needle and inspect the tip to ensure it is not bent.
- 7. Gently displace the conjunctiva so that after withdrawing the needle, the conjunctival and scleral needle entry sites will not align. Care should be taken to avoid contact between the needle and the lid margin or lashes. Insert the needle through the conjunctiva and sclera. To release the implant, while the button is in the UP position, advance the button by sliding it forward to the end of the button track and remove the needle. Note: Ensure that the button reaches the end of the track before removing the needle
- 8. Remove the lid speculum and perform indirect ophthalmoscopy to verify placement of the implant, adequate central retinal artery perfusion and absence of any other complications.

Following the injection, patients should be monitored for elevation in intraocular pressure and for endophthalmitis. Monitoring may consist of a check for perfusion of the optic nerve head immediately after the injection, tonometry within 30 minutes following the injection, and biomicroscopy between two and seven days following the injection. Patients should be instructed to report without delay any symptoms suggestive of endophthalmitis.

### **3 DOSAGE FORMS AND STRENGTHS**

ILUVIEN is a non-bioerodable intravitreal implant in a drug delivery system containing 0.19 mg fluocinolone acetonide, designed to release fluocinolone acetonide at an initial rate of 0.25  $\mu\text{g}/\text{day}$  and lasting 36 months.

# **4 CONTRAINDICATIONS** 4.1 Ocular or Periocular Infections

**ILUVIEN** is contraindicated in patients with active or suspected ocular or periocular infections including most viral disease of the cornea and conjunctiva including active epithelial herpes simplex keratitis (dendritic keratitis), vaccinia, varicella,

### 4.2 Glaucoma

ILUVIEN is contraindicated in patients with glaucoma, who have cup to disc ratios of greater than 0.8.

# 4.3 Hypersensitivity

ILUVIEN is contraindicated in patients with known hypersensitivity to any components of this product.

#### the full prescribing information are not **5 WARNINGS AND PRECAUTIONS**

### 5.1 Intravitreal Injection-related Effects

mycobacterial infections and fungal diseases.

Intravitreal injections, including those with ILUVIEN, have been associated with endophthalmitis, eye inflammation, increased intraocular pressure, and retinal detachments. Patients should be monitored following the intravitreal injection /see Patient Counseling Information (17)1.

### 5.2 Steroid-related Effects

Use of corticosteroids including ILUVIEN may produce posterior subcapsular cataracts, increased intraocular pressure and glaucoma. Use of corticosteroids may enhance the establishment of secondary ocular infections due to bacteria, fungi, or viruses

Corticosteroids are not recommended to be used in patients with a history of ocular herpes simplex because of the potential for reactivation of the viral infection.

### 5.3 Risk of Implant Migration

Patients in whom the posterior capsule of the lens is absent or has a tear are at risk of implant migration into the anterior chamber.

# 6 ADVERSE REACTIONS

# 6.1 Clinical Studies Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

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

ILUVIEN was studied in two multicenter, randomized, sham-controlled, masked trials in which patients with diabetic macular edema were treated with either ILUVIEN (n=375) or sham (n=185).

Table 1 summarizes safety data available when the last subject completed the last 36 month follow up visit for the two primary ILUVIEN trials. In these trials, subjects were eligible for retreatment no earlier than 12 months after study entry. Over the three year follow up period, approximately 75% of the ILUVIEN treated subjects received only one ILUVIEN implant.

The most common ocular (study eye) and non-ocular adverse reactions are shown in Tables 1 and 2:

### Table 1: Ocular Adverse Reactions Reported by $\geq$ 1% of Patients and Non-ocular Adverse Reactions Reported by ≥5% of Patients

Adverse Reactions	ILUVIEN (N=375) n (%)	Sham (N=185) n (%)			
	Ocular				
Cataract <sup>1</sup>	192/235 <sup>2</sup> (82%)	61/121 <sup>2</sup> (50%)			
Myodesopsia	80 (21%)	17 (9%)			
Eye pain	57 (15%)	25 (14%)			
Conjunctival haemorrhage	50 (13%)	21 (11%)			
Posterior capsule opacification	35 (9%)	6 (3%)			
Eye irritation	30 (8%)	11 (6%)			
Vitreous detachment	26 (7%)	12 (7%)			
Conjunctivitis	14 (4%)	5 (3%)			
Corneal oedema	13 (4%)	3 (2%)			
Foreign body sensation in eyes	12 (3%)	4 (2%)			
Eye pruritus	10 (3%)	3 (2%)			
Ocular hyperaemia	10 (3%)	3 (2%)			
Optic atrophy	9 (2%)	2 (1%)			
Ocular discomfort	8 (2%)	1 (1%)			
Photophobia	7 (2%)	2 (1%)			
Retinal exudates	7 (2%)	0 (0%)			
Anterior chamber cell	6 (2%)	1 (1%)			
Eye discharge	6 (2%)	1 (1%)			
Non-ocular					
Anemia	40 (11%)	10 (5%)			
Headache	33 (9%) 11 (6%)				
Renal Failure	32 (9%)	10 (5%)			
Pneumonia	28 (7%)	8 (4%)			

<sup>1</sup> Includes cataract, cataract nuclear, cataract subcapsular, cataract cortical and cataract diabetic in patients who were phakic at baseline. Among these patients, 80% of ILUVIEN subjects vs. 27% of sham-controlled subjects underwent cataract surgery

<sup>2</sup> 235 of the 375 ILUVIEN subjects were phakic at baseline; 121 of 185 shamcontrolled subjects were phakic at baseline.

Increased intraocular Pressure

#### Table 2: Summary of Elevated IOP Related Adverse Reactions

Event	ILUVIEN (N=375) n (%)	Sham (N=185) n (%)
IOP elevation $\geq$ 10 mmHg from Baseline	127 (34%)	18 (10%)
IOP elevation $\geq$ 30 mmHg	75 (20%)	8 (4%)
Any IOP-lowering medication	144 (38%)	26 (14%)
Any surgical intervention for elevated intraocular pressure	18 (5%)	1 (1%)

#### Figure 1: Mean IOP during the study



### Cataracts and Cataract Surgery

At baseline, 235 of the 375 ILUVIEN subjects were phakic; 121 of 185 shamcontrolled subjects were phakic. The incidence of cataract development in patients who had a phakic study eye was higher in the ILUVIEN group (82%) compared with Sham (50%). The median time of cataract being reported as an adverse event was approximately 12 months in the ILUVIEN group and 19 months in the Sham group. Among these patients, 80% of ILUVIEN subjects vs. 27% of sham-controlled subjects underwent cataract surgery, generally within the first 18 months (Median Month 15 for both ILUVIEN group and for Sham) of the studies.

### 6.2 Postmarketing Experience

The following reactions have been identified during post-marketing use of ILUVIEN in clinical practice. Because they are reported voluntarily estimates of frequency cannot be made. The reactions, which have been chosen for inclusion due to either their seriousness, frequency of reporting, possible causal connection to ILUVIEN, or a combination of these factors, include reports of drug administration error and reports of the drug being ineffective.

#### **8 USE IN SPECIFIC POPULATIONS**

### 8.1 Pregnancy

Pregnancy Category C

There are no adequate and well-controlled studies of **ILUVIEN** in pregnant women. Animal reproduction studies have not been conducted with fluocinolone acetonide. Corticosteroids have been shown to be teratogenic in laboratory animals when administered systemically at relatively low dosage levels. ILUVIEN should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

### 8.3 Nursing Mothers

Systemically administered corticosteroids are present in human milk and could suppress growth and interfere with endogenous corticosteroid production. The systemic concentration of fluocinolone acetonide following intravitreal treatment with ILUVIEN is low [see Clinical Pharmacology (12.3)]. It is not known whether intravitreal treatment with ILUVIEN could result in sufficient systemic absorption to produce detectable quantities in human milk. Exercise caution when ILUVIEN is administered to a nursing woman.

### 8.4 Pediatric Use

and younger patients.

fluocinolone acetonide.

chemical structure is:

MW 452.50; molecular formula C24H30F206

11 DESCRIPTION

Safety and effectiveness of ILUVIEN in pediatric patients have not been established. 8.5 Geriatric Use No overall differences in safety or effectiveness have been observed between elderly

ILUVIEN is a sterile non-bioerodable intravitreal implant containing 0.19 mg (190

mcg) fluocinolone acetonide in a 36-month sustained-release drug delivery system.

ILUVIEN is designed to release fluocinolone acetonide at an initial rate of 0.25 µg/

day. ILUVIEN is preloaded into a single-use applicator to facilitate injection of the

implant directly into the vitreous. The drug substance is a synthetic corticosteroid.

The chemical name for fluocinolone acetonide is (6 $\alpha$ ,11 $\beta$ , 16 $\alpha$ )-6,9-difluoro-11,21-

dihydroxy-16,17-[(1-methylethylidene)bis-(oxy)]-pregna-1,4-diene-3,20-dione. Its

Fluocinolone acetonide is a white or almost white, microcrystalline powder, practically insoluble in water, soluble in methanol, ethanol, chloroform and acetone. and sparingly soluble in ether.

Each ILUVIEN consists of a light brown 3.5mm x 0.37mm implant containing 0.19 mg of the active ingredient fluocinolone acetonide and the following inactive ingredients: polyimide tube, polyvinyl alcohol, silicone adhesive and water for injection.

## **12 CLINICAL PHARMACOLOGY**

### 12.1 Mechanism of Action

Corticosteroids inhibit inflammatory responses to a variety of inciting agents. They inhibit edema, fibrin deposition, capillary dilation, leukocyte migration, capillary proliferation, fibroblast proliferation, deposition of collagen, and scar formation associated with inflammation.

Corticosteroids are thought to act by inhibition of phospholipase A<sub>2</sub> via induction of inhibitory proteins collectively called lipocortins. It is postulated that these proteins control biosynthesis of potent mediators of inflammation such as prostaglandins and leukotrienes by inhibiting release of the common precursor, arachidonic acid. Arachidonic acid is released from membrane phospholipids by phospholipase A<sub>2</sub>.

# 12.3 Pharmacokinetics

In a human pharmacokinetic study of ILUVIEN, fluocinolone acetonide concentrations in plasma were below the lower limit of quantitation of the assay (100 pg/mL) at all post-administration time points from Day 7 through Month 36 following intravitreal administration of a 0.2 mcg/day or 0.5 mcg/day fluocinolone acetonide insert.

### **13 NONCLINICAL TOXICOLOGY**

### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term animal studies have not been conducted to determine the carcinogenic potential or the effect on fertility of ILUVIEN.

Fluocinolone acetonide was not genotoxic *in vitro* in the Ames test (S. typhimurium and E. coli) and the mouse lymphoma TK assay, or in vivo in the mouse bone marrow micronucleus assay.

### **14 CLINICAL STUDIES**

The efficacy of ILUVIEN was assessed in two three-year, randomized (2:1, active: sham), multicenter, double-masked, parallel-groups studies that enrolled patients with diabetic macular edema that had previously been treated with laser photocoagulation

The primary efficacy endpoint in both trials was the proportion of subjects in whom vision had improved by 15 letters or more from baseline after 24 months of follow-up. Table 3: Baseline BCVA (Letters)

	Study 1		Stu	dy 2
	ILUVIEN (N=190)	Sham (N=95)	ILUVIEN (N=186)	Sham (N=90)
Mean (SD)	53 (13)	55 (11)	53 (12)	55 (11)
Median (Range)	57 (19-75)	58 (25-69)	56 (20-70)	58 (21-68)

### Table 4: Visual Acuity outcomes at Month 24 (All randomized subjects with LOCF)

Study	Outcomes	ILUVIEN	Sham	Estimated Difference (95% CI)
1ª	Gain of ≥15 letters in BCVA (n (%))	51 (27%)	14 (15%)	12.1% (2.6%, 21.6%)
	Loss of ≥15 letters in BCVA (n (%))	26 (14%)	5 (5%)	8.4% (1.8%, 15.1%)
	Mean change from baseline in BCVA (SD)	3.7 (18.7)	3.2 (13.1)	1.8 (-2.8, 6.3)
2 <sup>b</sup>	Gain of ≥15 letters in BCVA (n (%))	57 (31%)	16 (18%)	13.0% (2.7%, 23.4%)
	Loss of ≥15 letters in BCVA (n (%))	22 (12%)	9 (10%)	1.8% (-5.9%, 9.6%)
	Mean change from baseline in BCVA (SD)	5.2 (18.0)	0.0 (15.6)	6.1 (1.4, 10.8)

# <sup>a</sup>Study 1: ILUVIEN, N=190; Sham, N=95

bStudy 2: ILUVIEN, N=186; Sham, N=90

Visual acuity outcomes by lens status (Phakic or Pseudophakic) at different visits are presented in Figure 2 and Figure 3. The occurrence of cataracts impacted visual acuity during the study. Patients who were pseudophakic at baseline achieved greater mean BCVA change from baseline at the Month 24 study visit.





### Figure 3: Mean BCVA Change from Baseline



4.9 (17.5)

1.2 (15.1)

36

30

### Study 2: Phakic Subjects Mean Change from Baseline in BCVA (ITT LOCF)

12

- ILUVIEN (N=112)

18

Month

3.2 (19.3)

0.2 (14.1)

24

-• · Sham (N=60)

20

ó . .

mo

Change

Mean

BCVA

ġ

- II UVIEN (N=112)

-+ Sham (N=60)

8



12

- ILUVIEN (N=74)

18

24

-+ Sham (N=30)

The BCVA outcomes for the Pseudophakic and Phakic subgroups from Studies 1 and 2 at Month 24 are presented in Table 5.

#### Table 5: Visual Acuity outcomes at Month 24 (Subgroup for pooled data with LOCF)

Lens Status	Outcomes	ILUVIEN	Sham	Estimated Difference (95% CI)
°Pseudophakic	Gain of ≥15 letters in BCVA (n (%))	39 (28%)	8 (13%)	15.4% (4.4%, 26.3%)
	Loss of ≥15 letters in BCVA (n (%))	7 (5%)	7 (11%)	-5.9% (-14.4%, 2.5%)
	Mean change from baseline in BCVA (SD)	7.1 (14.5)	1.5 (17.4)	5.6 (0.7, 10.6)
⁵Phakic	Gain of ≥15 letters in BCVA (n (%))	69 (29%)	22 (18%)	11.1% (2.1%, 20.1%)
	Loss of ≥15 letters in BCVA (n (%))	41 (17%)	7 (6%)	11.6% (5.2%, 18%)
	Mean change from baseline in BCVA (SD)	2.8 (20.1)	1.8 (12.6)	1 (-2.5, 4.4)

<sup>a</sup>Pseudophakic: ILUVIEN, N=140; Sham, N=64 <sup>b</sup>Phakic: ILUVIEN, N=236: Sham, N=121

### 16 HOW SUPPLIED/STORAGE AND HANDLING

ILUVIEN® (fluocinolone acetonide intravitreal implant) 0.19 mg is supplied in a sterile single use preloaded applicator with a 25-gauge needle, packaged in a tray sealed with a lid inside a carton

# NDC 68611-190-02

25.8%

17.6%

21 20/

8 8%

Storage: Store at 15°-30° C (59°-86° F).

# 17 PATIENT COUNSELING INFORMATION

### Steroid-related Effects

Advise patients that a cataract may occur after treatment with ILUVIEN. If this occurs, advise patients that their vision will decrease, and they will need an operation to remove the cataract and restore their vision.

Advise patients that they may develop increased intraocular pressure with ILUVIEN treatment, and the increased IOP may need to be managed with eve drops, or surgery.

### Intravitreal Injection-related Effects

Advise patients that in the days following intravitreal injection of ILUVIEN, patients are at risk for potential complications including in particular, but not limited to, the development of endophthalmitis or elevated intraocular pressure.

### When to Seek Physician Advice

Advise patients that if the eye becomes red, sensitive to light, painful, or develops a change in vision, they should seek immediate care from an ophthalmologist.

# **Driving and Using Machines**

Inform patients that they may experience temporary visual blurring after receiving an intravitreal injection. Advise patients not to drive or use machines until this has been resolved.

### Manufactured for:

Alimera Sciences, Inc. 6120 Windward Parkway Alpharetta, GA 30005

Patented, See: www.alimerasciences.com

