



## Allergan Dry Eye Product Portfolio Fact Sheet

Dry eye affects an estimated 21 million people in the United States<sup>1</sup> and is one of the most common reasons that people visit their eye doctor.<sup>2</sup> A national survey of 2,003 individuals found that nearly 40 percent of Americans experience dry eye symptoms,<sup>3</sup> which may include dryness, itching, irritation, blurred vision, sensitivity to light, foreign body sensation and excessive tearing. Dry eye can be aggravated by a number of external factors such as hot, dry or windy environments, high altitudes, heating, air-conditioning, prolonged computer use and smoke.<sup>4,5,6</sup> Dry eye can also be caused by medical factors, including hormonal changes due to aging and menopause, thyroid problems, vitamin deficiencies, rheumatoid arthritis, diabetes, lupus and Sjögren's syndrome.<sup>1,4,5,6,7</sup> Dry eye can be a progressive disease, and if left untreated, chronic dry eye can lead to more serious problems, including impaired vision and an increased risk of eye infection.<sup>8</sup> Chronic dry eye occurs when changes to the health of the tear-producing glands affect the quantity and quality of tears produced.

### Allergan Dry Eye Product Portfolio

Allergan products encompass the continuum of care for dry eyes, from symptom relief to the only prescription eye drop that is believed to treat an underlying cause of dry eye. Built on a nearly 60-year heritage in ophthalmology with expertise in discovering and developing new therapeutic agents to preserve and protect vision, Allergan is a global leader in eye care.

### REFRESH® Brand

- The No. 1 selling brand of artificial tears, the REFRESH® Brand,<sup>9</sup> introduced in 1986, offers a wide range of over-the-counter products including preserved and non-preserved drops as well as ointments to effectively treat dry eye symptoms.
- Several of the REFRESH® Brand artificial tears, as well as OPTIVE™ Lubricant Eye Drops, contain carboxymethylcellulose, a unique compound that creates a shield of protection against further irritation while providing long-lasting lubrication for the eye.
- The REFRESH® Brand line of products includes numerous different formulations to address specific needs including:
  - REFRESH TEARS® Lubricant Eye Drops instantly moisturizes and relieves dry, irritated eyes with a fast-acting, long-lasting formula that mimics the soothing properties of natural tears. REFRESH TEARS® comes in a convenient multi-dose bottle and is safe to use as often as needed.
  - REFRESH PLUS® Lubricant Eye Drops instantly moisturizes and relieves dry, irritated eyes with a fast-acting, long-lasting formula for sensitive eyes that mimics the soothing properties of natural tears. Demonstrated to improve dry eye when used after LASIK, REFRESH PLUS® comes in convenient single use vials and is safe to use as often as needed.



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- REFRESH® Classic Sensitive Lubricant Eye Drops instantly moisturizes and relieves dry, irritated eyes with the original formula for sensitive eyes. REFRESH® Classic Sensitive comes in convenient single use vials and is safe to use as often as needed.
  - REFRESH REDNESS RELIEF™ Redness Reliever and Lubricant Eye Drops works two ways. Its unique formula quickly removes redness and instantly moisturizes to soothe and protect dry, irritated eyes.
  - REFRESH CONTACTS® Contact Lens Comfort Drops instantly moisturizes and soothes dry eyes caused by soft and rigid gas permeable contact lens wear. Utilizing a unique, long-lasting lubricant, every application creates a liquid cushion that comforts and protects. REFRESH CONTACTS® Contact Lens Comfort Drops comes in a convenient multi-dose bottle and is safe to use as often as needed.
  - REFRESH PM® Lubricant Eye Ointment is preservative free and provides strong, soothing nighttime relief for more intense dry, irritated eyes and is ideal for use at bedtime.
  - REFRESH® LACRILUBE® Lubricant Eye Ointment provides strong, soothing nighttime relief for more intense dry, irritated eyes and is ideal for use at bedtime.
  - REFRESH® CELLUVISC® Lubricant Eye Drops provides extra strength moisturizing relief plus protection for dry, irritated eyes with the thickest gel formula for sensitive eyes. REFRESH® CELLUVISC® comes in convenient single use vials and is safe to use as often as needed.
  - REFRESH LIQUIGEL® Lubricant Eye Drops provides extra strength moisturizing relief plus protection for dry, irritated eyes with a thick gel formula. REFRESH LIQUIGEL® comes in a convenient multi-dose bottle and is safe to use as often as needed.
  - REFRESH DRY EYE THERAPY® Lubricant Eye Drops provides extended moisturizing relief and protection for dry eyes. The advanced moisture lock formula reaches all three layers of the tear film to provide a long-lasting shield with minimal blur. REFRESH DRY EYE THERAPY® comes in a convenient multi-dose bottle and is safe to use as often as needed.
  - REFRESH DRY EYE THERAPY® Sensitive Lubricant Eye Drops provides extended moisturizing relief and protection for dry eyes. The advanced moisture lock formula for sensitive eyes reaches all three layers of the tear film to provide a long-lasting shield with minimal blur. REFRESH DRY EYE THERAPY® Sensitive comes in convenient single use vials and is safe to use as often as needed.
- For more information about the REFRESH® Brand line of artificial tears, visit [www.refreshbrand.com](http://www.refreshbrand.com).

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## **OPTIVE™ Lubricant Eye Drops**

- OPTIVE™, introduced in 2006, is a next generation over-the-counter artificial tear, with an advanced dual-action formula that lubricates and hydrates eyes to provide long-lasting relief from dry eye symptoms.<sup>10</sup>
- OPTIVE™ Lubricant Eye Drops is available in a convenient multi-use bottle preserved with PURITE®, a preservative that ultimately dissolves into natural tear components after use.<sup>11</sup>
- In a 90-day clinical trial, OPTIVE™ demonstrated statistically significant improvement versus baseline in six common signs and symptoms of dry eye, with dry eye sufferers using OPTIVE™ Lubricant Eye Drops experiencing very little blur.<sup>10</sup>
- For more information about OPTIVE™, visit [www.optivesolutions.com](http://www.optivesolutions.com).



## **RESTASIS® (cyclosporine ophthalmic emulsion) 0.05%**

- RESTASIS®, approved by the U.S. Food and Drug Administration in 2002, is currently the only prescription eye drop to help increase the eyes' natural ability to produce tears in cases where it may be reduced by inflammation due to chronic dry eye. RESTASIS® did not increase tear production in patients using topical steroids or tear duct plugs.
- While artificial tears provide temporary relief by putting water and lubricants on the surface of the eye, RESTASIS® is the only prescription eye drop that addresses an underlying cause of chronic dry eye.
- To date, more than 5 million prescriptions have been written for RESTASIS® ophthalmic emulsion.<sup>12</sup>
- RESTASIS® has a favorable safety profile. In clinical studies, there was no increase in ocular infection, interaction with other drugs, increase in intraocular pressure or detectable systemic drug absorption in the blood of patients for up to 12 months of treatment with RESTASIS® ophthalmic emulsion.
- RESTASIS® should not be used by patients with active eye infections and has not been studied in patients with a history of herpes viral infections of the eye. The most common side effect is a temporary burning sensation. Other side effects include eye redness, discharge, watery eyes, eye pain, foreign body sensation, itching, stinging and blurred vision.
- For more information about RESTASIS® ophthalmic emulsion, please refer to the full [prescribing information](#), enclosed package insert or the product Web site at [www.restasis.com](http://www.restasis.com).



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## **Additional Information**

For a complete list of products in the Allergan eye care portfolio and further information on each product, please visit [www.allergan.com](http://www.allergan.com).

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<sup>1</sup> Market Scope. Report on the Global Dry Eye Market. St. Louis, Mo: Market Scope, July 2004.

<sup>2</sup> Schaumberg D, Sullivan D, Buring J, Dana R. Prevalence of dry eye syndrome among U.S. women. *Am J Ophthalmol.* 2003;136:318-326.

<sup>3</sup> Multi-sponsor surveys, Inc. Gallup study of dry eye sufferers. Princeton, NJ, 2006.

<sup>4</sup> Aging Eye Times. Artificial Tears. Available at: <http://www.agingeyenet/dryeyesinformation.php>. Accessed March 7, 2006.

<sup>5</sup> Mader T, Tabin G. Going to High Altitude with Preexisting Ocular Conditions. *High Altitude Medicine & Biology.* 2003; 4:419-430.

<sup>6</sup> Blehm C, Vishnu S, Khattak A. Computer vision syndrome: a review. *Surv Ophthalmol.* 2005 May-Jun;50(3):253-62.

<sup>7</sup> Pflugfelder SC, Beuerman RW, Stern ME, eds. *Dry Eye and Ocular Surface Disorders.* New York, NY: Marcel Dekker, Inc.; 2004.

<sup>8</sup> Pflugfelder S. Antiinflammatory Therapy for Dry Eye. *Am J Ophthalmol.* 2004; 127:337-342.

<sup>9</sup> IRI Retail Sales. September 2007.

<sup>10</sup> Clinical Trial #AG9689-001. Data on File, Allergan, Inc.

<sup>11</sup> Noecker R. Effects of common ophthalmic preservatives on ocular health. *Adv Ther.* 2001;18:205-215.

<sup>12</sup> VONA March 2003-June 2007.