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CONTACT LENSES

Product Closeup

Nature's Tears: Dry Eye Relief in a Unique Application

By combining pure water with an easy-to-use mist application, Bio-Logic's Nature's Tears brings relief to dry eye sufferers.

By William Mathers, MD

For many people, dry eyes are a way of life, but they are especially troublesome for contact lens patients. Nature's Tears® EyeMist™ by Bio-Logic Aqua Technologies solves this problem by providing a pure tissue-culture grade of water that is applied as a mist for the relief of dry eye symptoms and ocular discomfort.

...Nature's Tears is the first use of a mist to replenish the tear film.

Pure Water in a Mist

According to the company, Nature's Tears is the first use of a mist to replenish the tear film. The product's water comes from an aquifer in Southern Oregon. The water is used for tissue culture and contains no organic

toxins or chemicals that could induce irritation. It is the combination of this pure water and the mist application that is the secret of the success of this product.

The surface of the eye would not tolerate the application of pure water in a drop form because the osmotic shock to the delicate cells and nerve endings would be very uncomfortable. Nature's Tears is applied as a mist, allowing the pure water to be used comfortably. Because Nature's Tears comes in a safe, convenient, sterile, pressurized container, there are no additives needed to maintain sterility.

Use as Often as Necessary

Titration of pure water onto the surface of the eye lets each person apply exactly the amount required to achieve the desired effect. The mist can be applied repeatedly as often as required, and because it



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feels refreshing and pleasant, it is easy to use frequently. Eye drops are awkward for many people to use, so they tend to avoid using them until absolutely necessary. The mist induces the opposite reaction. It feels good and is used often.

More than Dry Eye Relief

The mist is useful not just for relieving dry eye symptoms. Ocular allergies, air pollution, dust, and any ocular irritant will be washed away by the addition of extra water in the tear film.

Most drops essentially displace the tear film since one drop of any fluid contains more volume than the normal tear surface holds. Nature's Tears leaves the normal tear film in place, with all its necessary components that fight

infection and resist evaporation. Only the middle water layer is increased in volume, and this helps clear the tear film of debris and noxious substances with a natural flushing action.

Nature's Tears is a product that all your patients—both those with dry eye and those looking for relief from other ocular problems—will enjoy using. ■

William Mathers is a Professor of Ophthalmology at Casey Eye Institute, Oregon Health and Sciences University, Portland, OR.

How the Tear Film Works

The eye's tear film is a complex, three-layer structure. The inner mucus layer helps the tear film cling to the epithelial cells. It also traps debris and physically protects the delicate epithelium.

The mostly water aqueous layer contains proteins, electrolytes, and antibodies. The aqueous layer maintains tight control on tear osmolarity to keep the underlying cells from being damaged by dry conditions. The mist decreases osmolarity to the normal range by titrated dilution. The surface lipid layer protects the eye from evaporation, and the mist penetrates through the lipid layer without disturbing this function.

WHERE TO FIND IT:

Bio-Logic Aqua Technologies
800-367-6478
NaturesTears.com