



## The specially designed wetting solution without preservatives as a monodose (MD) with optimal protection for the eye

### Design

With a special composition the “drop & see MD” solution supports optimal compatibility between the contact lens, tear film and cornea. Administered as a monodose (MD), the form is ideally suited for use when travelling due to the low volume of the individual portions.

The “drop & see MD” solution is based on the well established “drop & see” solution<sup>1)</sup>, but is offered as a monodose without preservatives. It is intended to enhance the long-term stability of the eye's surface to counteract harmful environmental influences with fatigue and irritation of the eye.

The solution is recommended for irritated, stressed, tired and sensitive eyes. It is also ideal for contact lens wearers in order to achieve tolerance, comfort and safety while wearing contact lenses. “drop & see MD” can be used with all kinds of conventional contact lenses.

Due to the balance of the constituents, cell function is optimised. The buffering of the tear film protects the cornea from lactic acidosis under the contact lens and its possible later effects.

Conventional solutions prevent soiling of the contact lenses including through the removal of calcium ions, but destabilise the surface of the eye. Their integrity, however, is crucial for normal function and protection against infections. “drop & see MD” does not interfere with the cell functions and thus can help to lower the risk of infection.

“drop & see MD” can even be applied to normal eyes.

By dispensing with preservatives, the solution is especially suited for sensitive eyes.

### Blue and Contact Lenses

The eyes and contact lenses have been a controversial topic that has been repeatedly discussed for decades, with the user weighing the gain in comfort and mobility against the short- and long-term risks of the contact lens and its handling. The cornea and the connective tissue, with their high concentration of nerve fibres, particularly sensitive to foreign bodies,

are continuously confronted with the constant presence of the contact lens as a foreign body.

Additionally, the deprivation of oxygen causes a change in the cornea metabolism in the form of chronic acidosis.

Therefore, for safe and pleasant wearing, it makes sense for most people to support the tear film and the normal function of the cornea, at least temporarily, with a Comfort solution.

### Summary

In addition to the advances in contact lens materials and design achieved in recent years, the development of the Comfort Solution as a monodose represents an ideal complement. With the solution presented here, the objectives of optimal safety, optimal wearing comfort as well as long-term tolerance and protection of the tissue have all been achieved.

### The benefits of a solution without preservatives

- Improved tolerance since all preservatives may damage cells – something that isn't there cannot irritate the eye as well.
- Better compliance with the ‘use by’ date
- Better compliance with the hygienic handling of the care product.

### Literature pertaining to the “drop & see” Comfort Solution<sup>1)</sup>

- <sup>1</sup> C.P. Lin, M. Böhnke: Effect of Fortified Antibiotic Solutions on Corneal Epithelial Wound Healing; Cornea 19, 204-206, 2000
- <sup>2</sup> C.P. Lin, J.Y. Chen, M. Böhnke: Influences of Hydrogel Contact Lens Care Solutions on Corneal Epithelial Wound Healing; Kaoshing Journal of Medical Sciences, Vol. 14, No. 10, 639-643, 1998
- <sup>3</sup> C.P. Lin, M. Böhnke: Influences of Methylcellulose on Corneal Epithelial Wound Healing. Journal of Ocular Pharmacology and Therapeutics, Vol. 15, No. 1, 59-63, 1999
- <sup>4</sup> data on file: Contopharma AG, Interlaken