

# EYE DROPS

## Cross-linked Hyaluronic Acid

### PRODUCT DESCRIPTION

The first preservative-free eye drops with cross-linked Hyaluronic Acid for the eye comfort of all kind of contact lens wearers.

- Protects and lubricates the ocular surface;
- Superior eye hydration;
- Greater effectiveness in time;
- Suitable for use with contact lens;
- Free from benzalkonium chloride, chlorhexidine, thimerosal, phenoxyethanol.

### INDICATIONS

This solution finds useful application in all cases of tear film alteration in which is necessary a consistent lubricating, moisturizing and refreshing action in the eye, such as:

- dry eye syndrome;
- mechanical stress (ophthalmic diagnostic and surgical procedures, ocular trauma);
- environmental stress (air conditioning, dry and polluted air, high temperature environment, etc ..);
- visual stress (prolonged computer use, unfavorable lighting conditions, etc ..);
- prolonged use of contact lenses.

### HOW TO USE

It is advisable to instill a few drops of solution in each eye several times a day, for more days, according to the need.

The product is suitable for use with contact lens.

### HYALURONIC ACID | CROSS-LINKED HYALURONIC ACID

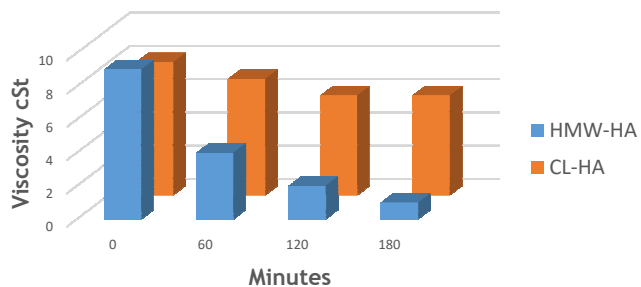
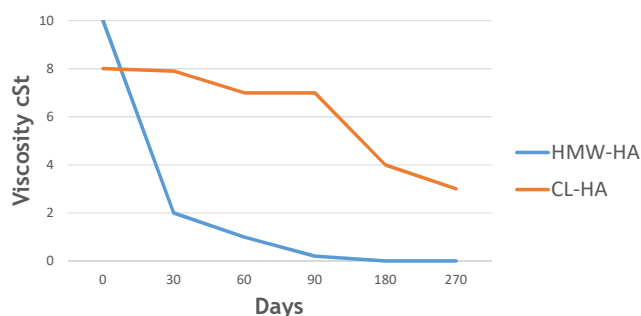
Sodium hyaluronate (hyaluronic acid sodium salt) is a natural viscoelastic material that is found throughout the body (vitreous, aqueous humor, joints and organs). It functions as a lubricant in virtue of its viscosity and as a shock absorber because of its elasticity.

It helps maintain hydration and integrity of the intercellular matrix.

The cross-linked Hyaluronic Acid is a form of Hyaluronic Acid more stable and effective than the non stabilized form, that gives the product better viscoelastic and moisturizing properties and greater effectiveness in time.

The use of crossed-linked hyaluronic acid has, in addition to the already excellent characteristics of the linear one, some fundamental properties for the treatment of dry eye symptoms:

- greater stability to physical and chemical agents, including the temperature and the lytic action of hyaluronidase (fig.1);
- better long-term viscosity (fig.2) and physical properties than standard hyaluronic acid, to make it even more similar to natural tears;
- greater persistence in corneal-conjunctival level.



### BIBLIOGRAPHY

1. Tiffany JM, Adv Exp Med Biol. 1994
2. Ibrahim S, J Biomed Mater Res. 2010
3. Sudha PN, Beneficial effects of hyaluronic acid, Adv Food Nutr Res. 2014
4. Balazs EA, The rheological properties and biological function of hyaluronic acid. Chem Mol Biol Intercell Matrix 1970
5. Lai JY, J Biomater Sci Polym Ed. 201

**Classification:** Class IIb Medical Device

#### Characterizing Ingredient:

Cross-linked Hyaluronic Acid 0,1%

**Osmolyte:** Sodium Chloride

**Buffer:** Phosphate Buffer

**Bacteriostatic:** Disodium edetate (EDTA)

**Preservative free**

#### Chemical/Physical parameters:

pH: 7.2±0.15

Osmolality: 300 ± 20 mOsm/Kg

**Shelf-life:** 24 months

**Discard date:** 90 days after first opening

**Format:** 10ml preservative free multi-dose bottle