

# Irewet<sup>®</sup> TG

Eye Drops 10 mL

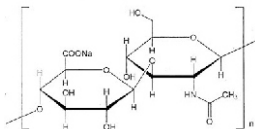
(Sodium Hyaluronate Eye Drops 0.18% w/v)

## COMPOSITION:

Sodium Hyaluronate BP .....	0.18% w/v
Stabilized Oxychloro Complex (as preservative) .....	0.005% w/v
Water for Injections IP .....	q.s.

Dry eye patients present with instability of the pre-corneal tear film which breaks up much earlier than normal. The instability of the pre-corneal tear film leads to dry eye symptoms such as the sensation of sand in the eye, recurrent blurred vision, itching and the sensation of dryness.

## Chemical Structure of Sodium Hyaluronate



## Pharmacological Action:

The main objective of dry eye treatment is to increase the pre-corneal tear film stability. Irewet TG as a tear substitute behaves like a pseudo plastic fluid. This indicates that at very low shear the solution has a very high viscosity and relatively low elasticity, and at higher shear the solution is extremely elastic. These Viscoelastic properties are important to lubricate. In addition, the water binding capacity of Irewet TG keeps the eye's surface wet. Irewet TG solution forms a lubricating moisture film on the surface of the eye that is not easily rinsed off. The macromolecule Sodium Hyaluronate has bio adhesiveness mucomimetic properties when applied to the eye because of interactions with the pre-corneal mucin layer. By this, the solution spreads out very well and forms a regular, stable and long-lasting tear film. It however does not cause blurred vision and protects the eyes from dryness and irritation for a long time. In Irewet TG Eye Drops Sodium Hyaluronate acts in a physico-chemical manner without pharmacological action by lubricating the ocular surface.

Irewet TG Eye Drops binds to many extracellular matrix molecules specifically to cell bodies through cell surface receptors like CD44. Expression of CD44 is increased in patients with moderate dry eye and superficial keratitis. Irewet TG Eye Drops might have a direct role in control of ocular surface inflammation in dry eye patients because it is associated with a decreased expression of CD44 in patients with moderate eye and superficial keratitis.

The duration of contact with the ocular surface (the so-called residence time) is important for the efficacy of artificial tears.

## Contra-indications:

Irewet TG is contraindicated in patients hypersensitivity to any of the ingredients.

## Warnings and Precautions:

- If irritation pain, redness or changes in vision occur or if the patients condition worsens, treatment discontinuation should be considered.

**Pregnancy and Lactation:**

Irewet TG eye drops can be applied during pregnancy and lactation as there is no side effect.

**Dosage and Directions For Use:**

Instill 1 to 2 drops in the affected eye(s) as needed.

**Rewetting indication:**

To lubricate and rewet soft and rigid gas-permeable lenses during the day: With the lenses on the eye, apply 1 to 2 drops to each eye as needed, or as directed by the eye care practitioner. Blink several times.

**Storage and handling instructions:**

Keep in a cool place. Protect from light.

Use the solution within one month after opening the container.

Do not touch the tip of the container to any surface. Replace cap after using.

**KEEP OUT OF REACH OF CHILDREN****NOT FOR INJECTION****FOR EXTERNAL USE ONLY**

**Presentation:** Irewet TG is a sterile solution supplied in opaque plastic dropper bottle with a cap, Containing 10 mL of the solution.

**Directions for use :**

Turn the tamper proof cap anti-clockwise to break the seal.



Remove the cap, dispense drops with gentle pressure.



Replace the cap immediately after every use.

Manufactured in INDIA by :

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