

RELUBTM DS Gel

Composition:

Each ml contains

Carboxymethylcellulose IP 1% w/v

Mechanism of Action

Carboxymethylcellulose binds to the surface of corneal epithelial cells via its glucopyranose subunits binding to glucose receptors GLUT-1. The residence time of carboxymethylcellulose bound to corneal cells is approximately 2 hours as indicated by a short-term binding assay. Binding of carboxymethylcellulose to the matrix proteins stimulates corneal epithelial cell attachment, migration, and re-epithelialization of corneal wounds

Other pharmacodynamic properties:

In a randomized clinical study of patients with mild or moderate forms of eye dryness, ophthalmic treatment with sodium carboxymethylcellulose resulted in a diminished frequency of symptoms compared to the placebo group. Carboxymethylcellulose interacts with human corneal epithelial cells to facilitate corneal epithelial wound healing and attenuate eye irritation in a dose-dependent manner. It exhibits protective actions on the ocular surface in various applications; it mediates cytoprotective effects on the ocular surface when applied prior to contact lenses and reduces the incidence of epithelial defects during LASIK

Indication:

To preserve the benefits of cataract and refractive surgery since post-surgery dry eye syndrome shows up.

Contraindication:

Hypersensitivity to any components of this medication.

Drug Interaction:

No drug interactions for Re-Lub are reported.

Adverse effects:

Re-Lub DS Gel rarely causes serious side effects or an allergic reaction. Vision may be temporarily blurred when this product is first used. Minor burning, stinging or irritation may temporarily occur.

Warnings and Precautions:



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- Remove contact lenses before using this eye drop.
- To avoid contamination do not touch tip of container to any surface. Replace cap after using.
- Do not use if solution changes colour or becomes cloudy.
- Keep out of reach of children.
- This product may temporarily cause blurred vision right after being placed in the eye(s). Do not drive, use machinery, or do any activity that requires clear vision until you are sure you can perform such activities safely.
- If you experience eye pain, changes in vision, continued redness or irritation of the eye and if the condition worsens or persists for more than 72 hours, discontinue use and consult a doctor.

Use in special population:

1. **Pediatric:** Safety in children has not been established.
2. **Geriatric:** Safety in elderly patient has not been established.
3. **Liver impairment:** No data available.
4. **Renal failure:** No data available.
5. **Pregnancy and lactation:** Safe use during pregnancy and breast feeding has not been established.

Dosage:

As directed by physician.

Presentation:

Re-Lub DS Gel is available as a sterile plastic vial of 10 ml.

Storage and handling:

Store below 25° C in a dry place. Protect from light.



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