

# DROP *sept*

## OPHTHALMIC SOLUTION BASED ON VITAMIN E TPGS WITH HIGH BIOAVAILABILITY IN OCULAR TISSUES

DROPsept® is an ophthalmic solution, adjuvant in protecting and repairing corneal and conjunctival epithelium, with phlogolithic action. It is indicated for adults and children for the treatment of symptoms such as burning, itching, photophobia, foreign body sensation and redness of the eye, associated with ongoing inflammatory states of the ocular surface and its annexes, such as conjunctivitis, keratitis, blepharitis, dacryocystitis, meibomitis, discomfort and dry eye syndrome.

DROPsept® can be used with wearable contact lenses.

## COMPOSITION

Vitamin E TPGS, Dibasic sodium phosphate, Sodium phosphate monobasic, Sodium chloride, Chlorhexidine digluconate, Purified water.

## APPLICATIONS

DROPsept® is indicated as an adjuvant:

- in pre-surgical prophylaxis
- in the treatment of conjunctival infections
- in the treatment of corneal infections
- in the treatment of infections of the annexes
- in the treatment of conjunctivitis
- in the treatment of keratitis
- in the treatment of dacryocystitis



# DROP sept



10 ml  
multidose  
dispenser



Can be  
used with  
contact lenses



CE 0425  
Medical  
Device

## BIBLIOGRAPHY

- 1) Ostacolo, Caruso, Tronino, Troisi, Laneri, Pacente, Del Prete, Sacchi "Enhancement of corneal permeation of riboflavin-5'-phosphate through vitamin E TPGS: A promising approach in corneal trans-epithelial cross linking treatment" Int J Pharm 440 (2013) 148-153.
- 2) Bilgihan A., Bilgihan K, Yis, Sezer, Akyol, Hasanreisoglu "Effect on topical Vitamin E on corneal superoxide dismutase, glutathione peroxidase activities and polymorphonuclear leucocyte infiltration after photorefractive keratectomy" Acta Ophthalmol. Scand. 2003; 81: 177-180.
- 3) Brancato, Fiore, Papucci, Schiavone, Formigli, Zecchi Orlandini, Gobbi, Carones, Donnini, Lapucci, Capaccioli "Concomitant Effect of Topical Ubiquinone Q10 and Vitamin E to Prevent Keratocyte Apoptosis After Excimer Laser Photoablation in Rabbits" Journal of Refractive Surgery. 2002;18(2):135-139.
- 4) Shayani Rad, Mohajeri "Extended Ciprofloxacin Release Using Vitamin E Diffusion Barrier From Commercial Silicone-Based Soft Contact Lenses" Eye Contact Lens. 2017 Mar;43(2):103-109.
- 5) Caruso, Porta, Tosco, Eletto, Pacente, Bartollino, Costagliola "A Novel Vitamin E TPGS-Based Formulation Enhances Chlorhexidine Bioavailability in Corneal Layers" Pharmaceutics 2020, 12, 642.
- 6) Burstein "Preservative cytotoxic threshold for benzalkonium chloride and chlorhexidine digluconate in cat and rabbit corneas." 1980 Assoc. for Res. in Vis. and Ophthal., Inc.
- 7) Bowes Hamill, Osato, Wilhelmus "Experimental Evaluation of Chlorhexidine Gluconate for Ocular Antisepsis" Antimicrob. Agents Chemoter. Dec. 1984, p. 793-796.
- 8) Rezanur Rahman, Johnson, Husain, Howlader, Minassian "Randomised trial of 0.2% chlorhexidine gluconate and 2.5% natamycin for fungal keratitis in Bangladesh" Br J Ophthalmol 1998;82:919-925.
- 9) Geffen, Norman, Kheradiya, Assia "Chlorhexidine Gluconate 0.02% as Adjunct to Primary Treatment for Corneal Bacterial Ulcers" IMAJ Vole 11, november 2009.
- 10) Oakley, Allen, Hooshmand, Vote "Pain and antisepsis after ocular administration of povidoneiodine versus chlorhexidine" Retina: August 08, 2017.
- 11) Fernández-Ferreiro, Santiago-Varela, Gil-Martínez, González-Barcia, Luaces-Rodríguez, Díaz-Tome, Pardo, Blanco Méndez, Piñeiro-Ces, Rodríguez-Ares, Lamas, Otero-Espinar "In Vitro Evaluation of the Ophthalmic Toxicity Profile of Chlorhexidine and Propamidine Isethionate Eye Drops" J Ocul Pharmacol Ther. 2017 Apr;33(3):202-209.
- 12) Garrigue, Amrane, Faure, Holopainen, Tong "Relevance of Lipid-Based Products in the Management of Dry Eye Disease" Journal Of Ocular Pharmacology and Therapeutics Volume 33, Number 9, 2017.
- 13) Gili, Noren, Törnquist, Crafoord, Bäckman "Preoperative preparation of eye with chlorhexidine solution significantly reduces bacterial load prior to 23-gauge vitrectomy in Swedish health care" BMC Ophthalmology (2018) 18:167.

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