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Entod develops ophthalmic preservative system for eye drops

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A safer preservative system for eye drops by Entod



Mumbai-based pharmaceutical company Entod Pharmaceuticals has developed an innovative eye drop preservative system called EyeBS that eliminates the need for harmful detergent-based preservatives such as Benzalkonium Chloride (BAK) and Polyquaternium-1 that are traditionally used in eye drop formulations, ensuring safety and efficacy while minimising adverse reactions.

The EyeBS proprietary preservative system is based on an ionic buffer containing a unique blend of borate, sorbitol, propylene glycol and zinc, and doesn't cause any cytotoxic side effects as seen with conventional detergent-based ophthalmic preservatives.

This unique preservative system functions as an oxidising preservative with both antibacterial and antifungal properties. It effectively and safely maintains the sterility of ophthalmic solutions throughout its shelf life without harming ocular tissues, making it a safe option for long-term use. Apart from strong antimicrobial protection it also offers biocompatibility with ocular tissues.

The use of EyeBS in eye drops also significantly reduces the risk of irritation, dryness, and other ocular surface disorders commonly associated with prolonged use of conventional detergent-based ophthalmic preservatives.

The efficacy, comfort and biocompatibility of the EyeBS preservative system has been shown in various formulations and clinical studies worldwide, and approved by drug regulators in several countries.