

TAKE A CLOSER LOOK...

REMEND[®] BIOHANCE™ CROSS-LINKED HYALURONIC ACID



ARGET DRY EVE

TARGET ULCERS

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WHAT IS BIOHANCE[™] CROSS-LINKED HYALURONIC ACID?

BioHAnce[™] is a patented technology used to create a molecular matrix of cross-linked hyaluronic acid (HA).

Cross-linking produces unique physical and chemical properties, that enhance hydration, accelerate the body's own healing processes and extend duration on the ocular surface. Remend[®] Dry Eye lubricant drops and Remend[®] Corneal Gel both consist of BioHAnce[™] cross-linked HA.



HOW DOES A CROSS-LINKED HA COMPARE TO TRADITIONAL HA?

EXTENDED DURATION ON THE OCULAR SURFACE:

unique mucoadhesive properties that increases retention time 2-5x longer than traditional, linear HA^{1,2}

IMPROVED STABILISATION OF THE TEAR FILM:

Cross-linking changes the chemical and physical properties of the HA creating a more viscous lubricant with enhanced mucoadhesive properties, more closely resembling the natural tear film mucins³

These properties mean that a cross-linked HA provides a multitude of benefits to the patient and owner





KEY BENEFITS OF BIOHANCE[™] CROSS-LINKED HA

Enhances hydration, lubrication, ocular comfort and helps stabilise the tear film³

Remend[®] Corneal Gel Creates an environment that supports rapid corneal healing

Requires fewer applications (BID), and therefore aids pet owner compliance

Creates a thin barrier that soothes and protects the eye without altering vision

Shown to prolong the presence of topical treatments on the ocular surface⁴

Does not bind to nor reduce the efficacy of antibiotics⁵

BioHAnce[™] technology has been created specifically for animal health

Preservative free

TARGET: ULCERS



TARGET: DRY EYE



REMEND® BioHAnce 0.75 % Cross-linked **Hvaluronic acid** Pemend Remend[®] Corneal Ge Supports corneal reduced the time to healing, through closure of corneal the facilitation of ulcers when compared cell migration to linear HA⁶

References: 1. Montiani-Ferreira F, Atzet SK, Fankhauser AD, Behan EK, Haeussler DJ (2022). Fluorometric evaluation of cross-linked vs linear hyaluronic acid eye lubricants. SentrX Animal Care; Veterinary Medicine Department, Federal University of Paraná; Animal Eye Institute. ACVO 2002. **2.** Bedos A, Lalkbaugh RA, Roy MM, Kuba J. Perconnell retention time of oxidation and oxid and a state University of College of Veterinary Medicine. Vote School of Veterinary Medicine, University of Florida, School of Veterinary M in canine eyes. Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel - ACVO Thursday, September 21st, 2023. 5. Atzet SK, Fankhauser AD, Behan EK, Mann, Brenda K (2022). Evaluation of crosslinked hyaluronic acid gel drops and therapeutic combinations for ophthalmic infections. Poster session. In : ACVO Conference 2022. 6. Williams DL, Wirostko BM,Gum G, Mann BK (2017). Topical cross-linked HA-based hydrogel accelerates closure of corneal epithelial defects and repair of stromal ulceration in companion animals. Invest Ophthalmol Vis Sci.; 58:4616-4622. 7. Williams, David L., and Brenda K. Mann. "A crosslinked HA-based hydrogel ameliorates dry eye symptoms in dogs." International journal of biomaterials 2013 (2013).

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