

The Essential Role of Tears in Healthy Eyes

More than just moisture, tears, and the tear film, support overall eye health in a variety of ways. Under or over tear production can lead to various diseases and conditions. Tears help to:

- Lubricate the cornea, eyelids and conjunctiva (the tissue that lines the eyelids)
- Protect the eyes against infection
- Provide oxygen and nutrients to the cornea
- Remove metabolic by-products like carbon dioxide
- Play a role in the local immune defence
- Wash away irritating particles or foreign bodies
- Keep the eye surface smooth and clear



**Dry eye affects nearly
5% of all dogs¹**

1. Pierce V & Williams D. Determination of Schimer Tear Test values in 1000 dogs. BSAVA Abstract 2006

What is Dry Eye?

Keratoconjunctivitis sicca (KCS), or Dry Eye, is an ophthalmic disorder in both dogs and humans. In dogs, the primary cause is immune-related lacrimal gland disease, but other causes include²:

- Drug-induced injury
- Traumatic injury
- Neurological dysfunction

Left untreated, KCS can lead to²:

- Corneal damage and scarring
- Increased vascularisation
- Hyperpigmentation
- Vision loss

Dry Eye Treatment

In most cases, dry eye requires treatment for life as there is no permanent cure. Once diagnosis is made, the treatment options are typically two-fold:

1. Prescription ointment with cyclosporine: Treats the underlying auto-immune condition.
 - If the tear gland is damaged already, treatment may be less effective and tear replacement therapy still required.
 - Even in dogs that respond well to treatment with cyclosporine prescriptions, additional tear supplementation is still recommended to keep the eyes as comfortable as possible.
2. Daily tear replacement: Considered an essential component in the management of Dry Eye to keep the eyes lubricated, most veterinarians recommend lubricating drops that replace natural tears to keep the eyes moist and protected.
 - These are only supplemental and do not replace treatment with cyclosporine. However, the majority of cases will benefit from long-term use of tear replacement drops, in addition to cyclosporine, to keep the eyes as comfortable as possible.



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BioHance™ Gel Eye Drops with Amino Acids

Eye-Drop with cross-linked hyaluronic acid technology that reduces the number of applications.



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What sets Sentrx products apart? Our patented BioHance™ technology!

BioHance™ is a molecular matrix of crosslinked hyaluronic acid (HA). HA is a naturally occurring substance, found throughout both human and animals, that plays a key role in hydration, tissue lubrication and healing processes.

Crosslinking the hyaluronic acid creates a hydrogel that acts as a molecular scaffolding material, and makes it less likely to break down in natural environments, one of the limiting factors of using natural HA for therapeutic applications.

BioHance™ technology is a purified product, with no by-products or irritating additives.

Sentrx Product Name	Concentration of BioHance™	# of Daily Applications*	Use Case Support
Ocunovis™ ProCare BioHance™ Gel Eye Drops with Amino Acids Lubrication designed to last longer 	0.40%	Twice a day, 1-2 drops	<ul style="list-style-type: none"> • Symptoms associated with dry eye • During and post-surgery support to maintain eye lubrication in sedated pets
Oculenis™ BioHance™ Ocular Repair Gel 	0.75%	Twice a day, 1-2 drops	<ul style="list-style-type: none"> • Superficial ocular injuries, traumatic ocular wounds, surgical incisions, corneal ulcers

*See product insert for full product information and application instructions.

For more information talk to your vet or visit www.sentrxanimalcare.com

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