

OPHTEIS[®] FR PRO

Viscous Cohesive

Biofermented NaHA with Sorbitol



 Rayner

Ophteis® FR Pro is a unique bio-engineered ophthalmic visco-surgical device (OVD) containing free radical scavenging sorbitol - designed to deliver a new level of corneal endothelial protection from phaco induced trauma.

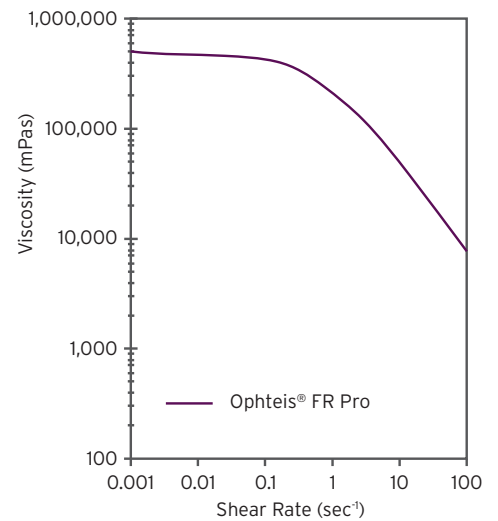
Sorbitol acts as an outstanding free radical scavenger, neutralising reactive oxygen species during surgery that causes damage to the endothelium, while also reducing the risk of inflammation.

Through the carefully bio-engineered composition of NaHA and sorbitol, Ophteis® FR Pro is transformed into a viscous cohesive. It is stable in the anterior chamber during phaco, providing excellent chamber maintenance and is easy to remove at the end of surgery.

Unlike many OVDs, Rayner's Ophteis® FR Pro does not need to be refrigerated before use. With its stable rheology at room temperature you will enjoy consistent performance for every procedure.

It's everything you would demand from an OVD - and more

Rheological Profile



OPHTEIS® FR PRO KEY BENEFITS

Visco Cohesive • Designed to deliver a new level of corneal endothelial protection

- The ONLY OVD with sorbitol free radical scavenging.
- Proven to reduce cell death by an average of 28.4% when compared to market leading OVDs.*
- Unique bio-engineered composition of NaHA and sorbitol transforms the 2% NaHA dispersive solution into a viscous cohesive.
- A larger 1.2 ml syringe gives you the confidence that Ophteis® FR Pro will support all elements of your cataract procedure.
- With its stable rheology at room temperature you will enjoy consistent performance for every procedure.
- Ophteis® FR Pro is designed to protect the endothelium, provide excellent chamber maintenance and is fully validated with all Rayner IOLs.

Product	Ophteis® FR Pro
Polymer Origin	Biofermentation
Sodium Hyaluronate Concentration	2.0%
Sorbitol Concentration	4.0%
Molecular Weight (Dalton)	1.8 million
Zero Shear Viscosity (mPas)	avg. 500,000
Osmolality (mOsm/kg)	295 to 355
pH	6.8 to 7.4
Shelf Life (years)	2
Storage	2°C to 25°C
Syringe Volume (ml)	1.2 ml
Cannula Gauge (G)	27

Reduces endothelium cell death by an average 28.4%*

*In 2016 the University of Brighton, in collaboration with Dr Steve Arshinoff, carried out an in vitro laboratory study. Investigating cell viability, the study compared the cellular protection provided by FR Pro and other leading OVDs from free radical damage under phaco conditions. The results showed that during a three second phaco exposure study, FR Pro showed greater overall average cell viability (28.4%) compared to the three tested market leading OVDs (Healon®, ProVisc® and OcuCoat®)



Regulatory restrictions may apply in certain markets.
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