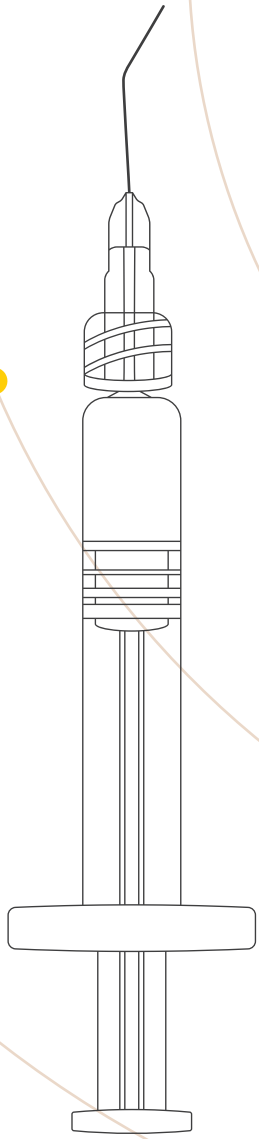
Now made by Rayner

Rayner's complete OVD family

Unmatched availability, uncompromising quality



OPHTEIS FR PRO

OPHTEIS BIO 1.6

OPHTEIS BIO 1.8

OPHTEIS BIO 3.0

METHYL VISC

Rayner

Unmatched availability, uncompromising quality

With the demand for eye surgery ever increasing, we understand the need for a reliable supply of products. Supported by our relentless pursuit of excellence and an unwavering commitment to quality, we are proud to announce that all Rayner OVDs are now manufactured at our brand-new state-of-the-art facility in Europe.

Limitless supply, uninterrupted trust

With our own production capabilities, we guarantee a reliable supply chain, eliminating concerns about shortages or delays. This means surgeons can confidently focus on what matters most – delivering exceptional patient care.

Unparalleled quality control

By owning the entire manufacturing process, we can meticulously ensure every OVD meets the most stringent standards of precision and consistency. This translates to the highest quality, reliable performance, and enhanced surgical outcomes.

OPHTEIS FR PRO

One OVD for all stages of cataract surgery

Viscous Cohesive - Biofermented NaHA with Sorbitol

Ophteis FR Pro is a unique bio-engineered 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.

- Unique bio-engineered composition of NaHA and sorbitol transforms the 2% NaHA dispersive solution into a viscous cohesive.
- Endothelial cell protection and IOP changes comparable to dispersive Viscoat at 1 and 3 months post-surgery.*
- 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.
- A larger 1.2 ml syringe gives you the confidence that Ophteis FR Pro will support all elements of your procedure.

OUR COMPLETE
OVD FAMILY

OPHTEIS BIO 1.6

Cohesive – Designed for all types of surgery

- Optimal maintenance of volume in the anterior chamber or capsular bag
- Good coating power
- Easy injection and removal during surgical stages

OPHTEIS BIO 1.8

Cohesive – Designed for small incision

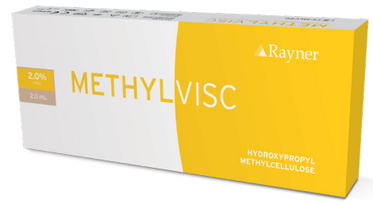
- Good cohesivity at low shear-rate for a stable anterior chamber
- Strong coating of tissue thanks to improved dispersive property
- Easy to aspirate with high molecular weight

OPHTEIS BIO 3.0

Dispersive – Designed for excellent endothelial protection

- Low molecular weight, high NaHA concentration
- Assures maximum protection and viscosity
- Good maintenance of anterior chamber

METHYLVISC



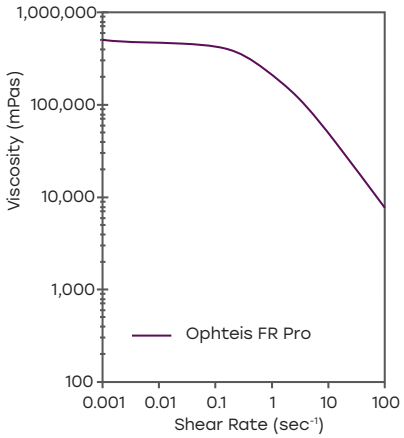
HPMC 2.0% – Provides excellent endothelial protection thanks to its visco-adhesion

- Hydroxypropyl Methylcellulose (HPMC)
- Good maintenance of the anterior chamber depth while providing perfect protection of intraocular tissues
- Easy removal from the anterior chamber

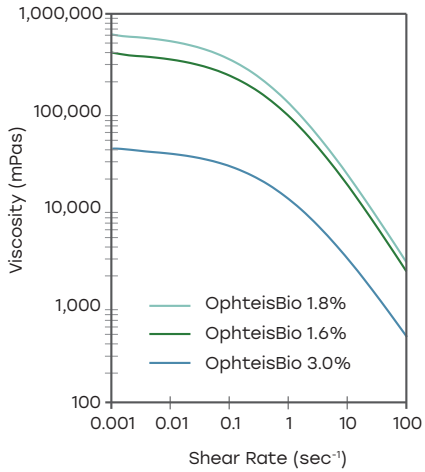
Rayner OVDs **do not need to be refrigerated** - for simplified management and cost of both transportation and storage.

*Wood, Keren; Pessach, Yuval; Kovalyuk, Natalya; Lifshitz, Michal; Winter, Halit; Pikkel, Joseph (2024): Corneal endothelial cell loss and intraocular pressure following phacoemulsification using a new viscous-cohesive ophthalmic viscosurgical device. In International ophthalmology 44 (1), p. 10. DOI: 10.1007/s10792-024-02997-y.

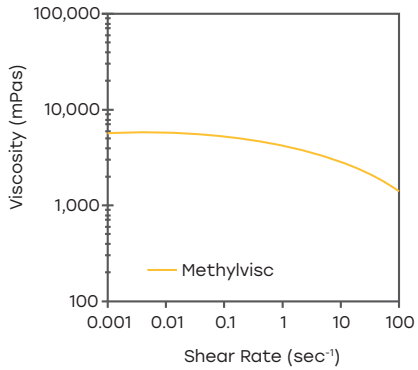
Rheological Profiles



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
Model Number	S-OPFR



Product	OphteisBio 1.6%	OphteisBio 1.8%	OphteisBio 3.0%
Polymer Origin	Biofermentation	Biofermentation	Biofermentation
Sodium Hyaluronate Concentration	1.6%	1.8%	3.0%
Molecular Weight (Dalton)	approx. 3 million	approx. 3 million	approx. 0.75 million
Zero Shear Viscosity (mPas)	avg. 400,000	avg. 600,000	avg. 30,000
Osmolality (mOsm/kg)	300 to 350	300 to 350	300 to 350
pH	6.8 - 7.6	6.8 - 7.6	6.8 - 7.6
Shelf Life (years)	3	3	3
Storage	2 to 25°C	2 to 25°C	2 to 25°C
Syringe Volume (ml)	1.1	1.1	1.1
Cannula Gauge (G)	27	27	25
Model Number	S-OPB16	S-OPB18	S-OPB30



Product	Methylvisc
Polymer Origin	Synthetic molecule
HPMC Concentration	2.0%
Zero Shear Viscosity (mPas)	10,000 approx.
Osmolarity (mOsm/kg)	300 to 390
pH	6.8 - 7.5
Shelf Life (years)	3
Storage	2°C to 25°C
Syringe Volume (ml)	2
Cannula Gauge (G)	23
Model Number	S-MLV20

Rayner