

OPHTEIS

Cohesive
NaHA 1.0%



OPHTEIS+

Highly Cohesive
NaHA 1.4%



OPHTEISMAX

Visco-Adaptive
NaHA 2.5%



With Ophteis, Ophteis+ and OphteisMAX, Rayner offers a complete range of ophthalmic viscosurgical devices (OVD) made from hyaluronic acid of animal origin.

The specific combination of different concentrations of HA and a high molecular weight has led to three distinct products with exemplary and complementary pseudoplastic qualities.

The range manufactured in Sweden offers an optically clear OVD with no bubbles and can be stored at room temperature.

OPHTEIS

Cohesive • Designed for each stage of cataract surgery

- High molecular weight resulting in high viscosity and pseudoplasticity.
- High cohesion, meaning that it creates space, stabilizes the eye and facilitates movement of tissue.
- High pseudoplasticity enables easy and controlled injection and IOL implantation.
- Easy to remove as a single mass at the end of surgery.

OPHTEIS+

Highly Cohesive • Designed for difficult cases

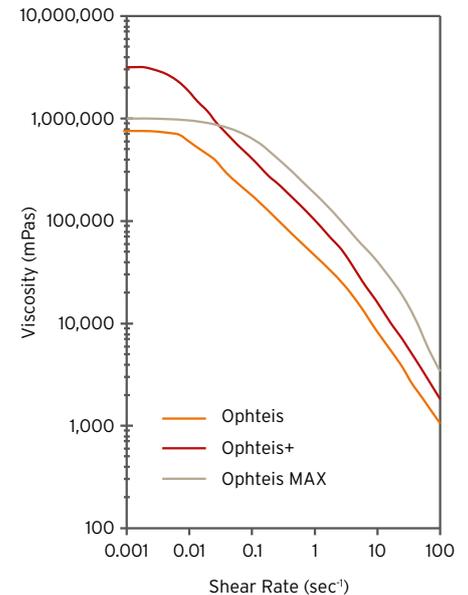
- Super high molecular weight, pseudoplasticity and cohesion provides maximum intraocular stability, while creating space during capsulorhexis.
- Reliable in more difficult cases such as trauma and refractive surgery.
- Excellent performance during IOL implantation.
- Super high pseudoplasticity provides a product easy to inject and is removed as a single mass after surgery.

OPHTEISMAX

Visco-Adaptive • Designed to adapt to the different stages of surgery

- Viscoadaptive; at rest, it adopts cohesive characteristics (e.g. during capsulorhexis), and under stress it behaves in a dispersive way (e.g. during phacoemulsification).
- Excellent all round product that can also be used for advanced cases and trauma.
- Combines both high and low molecular weight hyaluronic acid.
- Easy to remove as a single mass at the end of surgery.

Rheological Profiles



| Product | Ophteis | Ophteis+ | OphteisMax |
|----------------------------------|----------------|------------------|----------------|
| Polymer Origin | Animal origin | Animal origin | Animal origin |
| Sodium Hyaluronate Concentration | 1% | 1.4% | 2.5% |
| Molecular Weight (Dalton) | avg. 5 million | avg. 5 million | avg. 4 million |
| Zero Shear Viscosity (mPas) | avg. 1 million | avg. 3.3 million | avg. 1 million |
| Osmolality (mOsm/kg) | 310 | 320 | 360 |
| 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) | 0.55 / 0.85 | 0.55 / 0.85 | 0.85 |
| Cannula Gauge (G) | 27 | 27 | 25 |



Regulatory restrictions may apply in certain markets.
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