



TRUST VISOCU WITH YOUR EYES OPEN

visOcuTM

Sodium Hyaluronate

Hyaluronic Acid solution for intraocular use containing cannula for injection



www.phibio.de

visOcu

What is visOcu™



Dosage Info

- %1.0, %1.4, %1.6 Dispersive
- %1.8 Dispersive Cohesive
- %2.2 Dispersive Cohesive
- %3.0 Cohesive



visOcu™ is a sterile, cohesive, isotonic, pyrogen-free, and viscoelastic preparation of highly purified sodium hyaluronate, dissolved in a buffered physiological solution (pH: 6.7 to 7.5) for intraocular application. It is clear solution in a ready-to-use injection for single use. It is packaged in a sterile blister or edge-sealed pouch.

What is Hyaluronic acid?

Sodium hyaluronate is a biopolymer obtained from bacterial biofermentation that belongs to the class of glycosaminoglycans. It is a high molecular weight, is highly purified and possesses favorable physical and rheological properties for ophthalmic surgery. Hyaluronic acid is a biological and biocompatible substance. The viscoelastic properties of **visOcu™** allow lubrication, support and protection of ocular tissues during ophthalmic applications. It maintains the depth of the anterior chamber.

How to use VisOcu™?

If **visOcu™** was stored in the refrigerator, the syringe should be removed at least 2–3 minutes prior to use from the refrigerator. When the air has escaped from the ophthalmological Luer-Lock cannula, VisOcu™ can be carefully injected into the anterior chamber using the enclosed sterile single-use cannula or a comparable device. cannula. Dosage depends on the kind of surgery. To replace loss of viscoelastic by outflow or irrigation, several injections can be made. Remove **visOcu™** completely at the end of surgery using a suitable irrigation/aspiration.

Sodium Hyaluronate



Characteristics and chemical compounds of visOcu™



Specifications	VisOcu™ %1.0	VisOcu™ %1.4	VisOcu™ %1.6	VisOcu™ %1.8	VisOcu™ %2.2	VisOcu™ %3.0
Molecular weight* (MDa)	1.2-2.0	1.2-2.0	1.2-2.0	1.2-2.0	1.2-2.0	1.2-2.0
Viscosity* (mPas)	approx. 15.000	approx. 25.000	approx. 30.000	approx. 80.000	approx. 100.000	approx. 250.000
Osmolality	270-400	270-400	270-400	270-400	270-400	270-400
Storage	2°-25°C	2°-25°C	2°-25°C	2°-25°C	2°-25°C	2°-25°C
pH	6.7-7.5	6.7-7.5	6.7-7.5	6.7-7.5	6.7-7.5	6.7-7.5
Volume	1.0	1.0	1.0	1.0	1.0	1.0
Shelf life	24 months	24 months	24 months	24 months	24 months	24 months

Composition	REF: PHI101DE-VSO VisOcu™ %1.0	REF: PHI141DE-VSO VisOcu™ %1.4	REF: PHI161DE-VSO VisOcu™ %1.6	REF: PHI181DE-VSO VisOcu™ %1.8	REF: PHI221DE-VSO VisOcu™ %2.2	REF: PHI301DE-VSO VisOcu™ %3.0
Sodium hyaluronate	10.00 mg	14.00 mg	16.00 mg	18.00 mg	22.00 mg	30.00 mg
Sodium chloride	9 mg	9 mg	9 mg	9 mg	9 mg	9 mg
Disodium hydrogen phosphate $\cdot 2H_2O$	0,2 mg	0,2 mg	0,2 mg	0,2 mg	0,2 mg	0,2 mg
Sodium dihydrogen phosphate $\cdot 2H_2O$	0,09 mg	0,09 mg	0,09 mg	0,09 mg	0,09 mg	0,09 mg
Water for injection	q.s.	q.s.	q.s.	q.s.	q.s.	q.s.

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