skybiotechnology

EDITION 2026 • REV 2.0
PENDIK • İSTANBUL • TÜRKIYE

IMPLANT GEL PORTFOLIO

SkyVisc.

Sterile, single-use intra-articular hyaluronic acid gels for viscosupplementation — four grades on a common 10–30 mg/mL range, plus a dedicated ophthalmic branch.

PURE + GGP CROSS OPHTHALMIC

PRODUCT ARCHITECTURE

Four intra-articular grades. Pure is hyaluronic acid alone; + and GGP add actives to the linear gel; Cross is the single cross-linked model. SkyVisc Ophthalmic is a separate branch for anterior segment surgery.

SkyVisc Pure

BASE GRADE

BOND
Linear

COMPOSITION
Sodium hyaluronate in phosphate buffer

CONCENTRATION
10 – 30 mg/mL

PRESENTATION
1 • 2 • 2.5 • 3 • 4 • 5 mL

SkyVisc +

CARTILAGE SUPPORT

BOND
Linear

COMPOSITION
Sodium hyaluronate + L-proline in phosphate buffer

CONCENTRATION
10 – 30 mg/mL

PRESENTATION
1 • 2 • 2.5 • 3 • 4 • 5 mL • flacon 5 mL • 10 mL

SkyVisc GGP

MATRIX SYNTHESIS

BOND
Linear

COMPOSITION
Sodium hyaluronate + L-proline + glycine + N-acetyl glucosamine in phosphate buffer

CONCENTRATION
10 – 30 mg/mL

PRESENTATION
1 • 2 • 2.5 • 3 • 4 • 5 mL • flacon 5 mL • 10 mL

SkyVisc Cross

CROSS-LINKED

BOND
Cross-linked

COMPOSITION
Cross-linked sodium hyaluronate • bacterial origin

CONCENTRATION
10 – 30 mg/mL

PRESENTATION
1 • 2 • 2.5 • 3 • 4 • 5 mL

READING THE RANGE

The descriptor tells the surgeon what changes. Pure, + and GGP are linear gels that differ only by what is added to the buffer. Cross changes the bond itself.

COMMON TO ALL FOUR

10–30 mg/mL hyaluronic acid • 1–5 mL pre-filled syringe • sterile viscoelastic solution • single use • shelf life 2 years • storage 2–25 °C • CE marked.

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INTRA-ARTICULAR IMPLANT GEL

SkyVisc Pure

Highly purified sodium hyaluronate for viscoelastic replenishment or replacement of synovial fluid, and for the symptoms of osteoarthritis.

HOW IT WORKS

Hyaluronic acid is a major component of synovial fluid and cartilage. SkyVisc Pure is similar to synovial fluid; it replaces what the joint has lost, increasing mobility and providing pain relief.

POSITIONING

- Base grade of the intra-articular range
- Hyaluronic acid with no additives
- Seven concentrations from 10 to 30 mg/mL
- Six syringe sizes from 1 to 5 mL

CONCENTRATION AND VOLUME RANGE

HYALURONIC ACID	10	14	15	20	24	25	30
CONCENTRATION	1.0%	1.4%	1.5%	2.0%	2.4%	2.5%	3.0%
SYRINGE	1 • 2 • 2.5 • 3 • 4 • 5 mL — every concentration in every size						

CONTRAINDICATIONS

- Known sensitivity to any ingredient
- Pre-existing skin infection at the injection site
- Known systemic bleeding disorders; infected or inflamed index joint
- History of allergy to gram-positive bacterial proteins

TECHNICAL DATA

COMPOSITION
Sodium hyaluronate in phosphate buffer

CONCENTRATION
10 – 30 mg/mL

VARIANTS
10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL

BOND STRUCTURE
Linear

SYRINGE
1 • 2 • 2.5 • 3 • 4 • 5 mL

FLACON
—

SHELF LIFE
2 years

STORAGE
Between 2 °C and 25 °C

MARKING
CE

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INTRA-ARTICULAR IMPLANT GEL

SkyVisc +

Hyaluronic acid combined with L-proline in an intra-articular injectable matrix gel. Replaces lost synovial fluid while supporting the cartilage matrix.

HOW IT WORKS

L-proline provides synthesis of the collagen that supports cartilage in the joint system, restraining the enzymes that lead to reduced cartilage production.

KEY PROPERTIES

- Linear bond
- L-proline in the buffer
- Syringe and flacon presentations
- Seven concentrations from 10 to 30 mg/mL

CONTRAINDICATIONS

- Known sensitivity to any ingredient
- Pre-existing skin infection at the injection site
- Known systemic bleeding disorders; infected or inflamed index joint
- History of allergy to gram-positive bacterial proteins

TECHNICAL DATA

COMPOSITION
Sodium hyaluronate + L-proline in phosphate buffer

CONCENTRATION
10 – 30 mg/mL

VARIANTS
10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL

BOND STRUCTURE
Linear

SYRINGE
1 • 2 • 2.5 • 3 • 4 • 5 mL

FLACON
5 mL • 10 mL

SHELF LIFE
2 years

STORAGE
Between 2 °C and 25 °C

MARKING
CE

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INTRA-ARTICULAR IMPLANT GEL

SkyVisc GGP

GGP — **G**lucosamine, **G**lycine, **P**roline. Reduces degeneration and increases collagen synthesis in the cartilage matrix better than regular hyaluronic acid products, through the GGP combined technology used during production.

HOW IT WORKS

L-proline provides synthesis of the collagen that supports synovial fluid in the cartilage system, restraining the enzymes that lead to reduced cartilage cell production. Glycine delays muscle degeneration and improves glycogen storage — useful for repairing damaged tissue. N-acetyl glucosamine regenerates and is effective in improving joint function and preventing cartilage loss.

KEY PROPERTIES

- Linear bond with the GGP complex
- L-proline, glycine and N-acetyl glucosamine
- Syringe and flacon presentations
- Seven concentrations from 10 to 30 mg/mL

CONTRAINDICATIONS

- Known sensitivity to any ingredient
- Pre-existing skin infection at the injection site
- Known systemic bleeding disorders; infected or inflamed index joint
- History of allergy to gram-positive bacterial proteins

TECHNICAL DATA

COMPOSITION
Sodium hyaluronate + L-proline + glycine + N-acetyl glucosamine in phosphate buffer

CONCENTRATION
10 – 30 mg/mL

VARIANTS
10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL

BOND STRUCTURE
Linear

SYRINGE
1 • 2 • 2.5 • 3 • 4 • 5 mL

FLACON
5 mL • 10 mL

SHELF LIFE
2 years

STORAGE
Between 2 °C and 25 °C

MARKING
CE

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INTRA-ARTICULAR IMPLANT GEL

SkyVisc Cross

The cross-linked model of the SkyVisc range. In its natural state hyaluronic acid breaks down rapidly; cross-linking engineers a thicker gel that holds its shape and slows disintegration.

HOW IT WORKS

By transforming the liquid into a gel, polymer chains are cross-linked together to maintain shape for a longer period and slow the process of disintegrating. The more links that are created, the thicker the product becomes and the more difficult it is for the body to break down.

KEY PROPERTIES

- Highly purified cross-linked hyaluronic acid
- Bacterial origin
- One injection per treatment
- The only cross-linked SkyVisc model

TECHNICAL DATA

COMPOSITION
Cross-linked sodium hyaluronate • bacterial origin

CONCENTRATION
10 – 30 mg/mL

VARIANTS
10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL

BOND STRUCTURE
Cross-linked

SYRINGE
1 • 2 • 2.5 • 3 • 4 • 5 mL

DOSING
One injection per treatment

FREQUENCY
6 – 8 – 12 months, per physician

SHELF LIFE
2 years

STORAGE
Between 2 °C and 25 °C

MARKING
CE

INTRA-ARTICULAR RANGE — COMPARISON

	SKYVISC PURE	SKYVISC +	SKYVISC GGP	SKYVISC CROSS
COMPOSITION	Sodium hyaluronate	+ L-proline	+ L-proline, **glycine**, N-acetyl glucosamine	Cross-linked sodium hyaluronate
BOND STRUCTURE	Linear	Linear	Linear	**Cross-linked**
HA CONCENTRATION	10 – 30 mg/mL	10 – 30 mg/mL	10 – 30 mg/mL	10 – 30 mg/mL
VARIANTS	10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL	10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL	10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL	10 • 14 • 15 • 20 • 24 • 25 • 30 mg/mL
SYRINGE	1 • 2 • 2.5 • 3 • 4 • 5 mL	1 • 2 • 2.5 • 3 • 4 • 5 mL	1 • 2 • 2.5 • 3 • 4 • 5 mL	1 • 2 • 2.5 • 3 • 4 • 5 mL
FLACON	–	5 • 10 mL	5 • 10 mL	–
ORIGIN	–	–	–	Bacterial
DOSING	Per physician	Per physician	Per physician	One injection per treatment
BUFFER	Sodium dihydrogen phosphate • disodium hydrogen phosphate • sodium chloride	Same + L-proline	Same + L-proline, glycine, NAGA	Same
FORM	Sterile viscoelastic solution	Sterile viscoelastic solution	Sterile viscoelastic solution	Sterile viscoelastic solution
USE	Single use only	Single use only	Single use only	Single use only
SHELF LIFE	2 years	2 years	2 years	2 years
STORAGE	2 °C – 25 °C	2 °C – 25 °C	2 °C – 25 °C	2 °C – 25 °C
MARKING	CE	CE	CE	CE

Pure, + and GGP are linear gels and differ only by what is added to the buffer; Cross is the single cross-linked model. All four grades are offered in seven concentrations from 10 to 30 mg/mL and six syringe sizes from 1 to 5 mL; + and GGP are additionally available as 5 and 10 mL flacons. GGP stands for **G**lucosamine • **G**lycine • **P**roline. Grade selection follows the condition of the joint, the intended duration of effect and the viscosity required.

SkyVisc Ophthalmic

A separate branch of the SkyVisc platform. The combination of high molecular weight and sodium hyaluronate concentration creates a specialised OVD for cataract surgery.

OPHTHALMIC VISCOELASTIC SURGICAL DEVICE — SPECIFICATIONS

	1.0%	1.2%	1.4%	1.6%	1.8%	2.0%	3.0%	3.0%
CLASSIFICATION	Cohesive	Cohesive	Cohesive	Cohesive	Cohesive	Cohesive	High cohesive	Dispersive
CONCENTRATION	10 mg/mL	12 mg/mL	14 mg/mL	16 mg/mL	18 mg/mL	20 mg/mL	30 mg/mL	30 mg/mL
COMPOSITION	Sodium hyaluronate in phosphate saline buffer							
SOURCE	Biofermentation							
MOLECULAR WEIGHT	3,200,000 Da	3,200,000 Da	3,200,000 Da	3,200,000 Da	3,200,000 Da	3,200,000 Da	3,200,000 Da	800,000 Da
PH	6.8 – 7.6							
VISCOSITY	60,000 mPas	130,000 mPas	200,000 mPas	400,000 mPas	600,000 mPas	900,000 mPas	1,800,000 mPas	50,000 mPas
OSMOLALITY	280 – 400 mOsmo/kg							
FILL SIZE	0.55 mL • 0.85 mL • 1.0 mL • 1.5 mL							
STORAGE	No need for cold storage • +2 °C to +25 °C							
SHELF LIFE	36 months							

COHESIVE GRADES

1.0% – 2.0% and 3.0% High Cohesive. High molecular weight, high viscosity — maintain anterior chamber depth and are removed cleanly at the end of the procedure.

DISPERSIVE GRADE

3.0% Dispersive at 800,000 Da. Lower viscosity, coats and protects the corneal endothelium, and stays in place during phacoemulsification.

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Surgical precision, effortless performance.

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