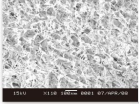




Device Description



- Type I atelocollagen with porous structure and pore diameter between 10-300µm
- Comprised >90% atelocollagen and <10% glycosaminoglycan (GAG)
- Dry form scaffold

Product

Product shape	Model No.	Specification
	830601	(D) 6 x (H) 2 mm
	830661	(D) 7 x (H) 4 mm
	862051	(D) 12 x (H) 1 mm
	870041	(L) 10 x (W) 5 mm x (H) 4 mm
	870051	(L) 10 x (W) 10 mm x (H) 2 mm
	870061	(L) 10 x (W) 10 x (H) 4 mm
	861051	12/20 (ID/OD) x (H) 1 mm (Donut shape)

• ologen™ Collagen Matrix does not need prior preparation, it can be trimmed before surgery to adjust to different indications or surgical needs.



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ologen™

Collagen Matrix for Tissue Repair



A Regenerative Approach for Ocular Tissue

- Normalize Wound Healing Process
- Randomize the Growth of Myofibroblasts
- Regenerate Tissue Remodeling
- Prevent Scar Formation

About ologen™

ologen™ Collagen Matrix is a mimic ECM specifically configured to support repair in connective and epithelial ocular tissue. The host tissue-collagen matrix interaction may optimize and stabilize the structure and composition where damage, weakness or loose exists. ologen™ prevents scar formation and provides a dynamic and physiological reservoir system to restore functionality, creating a mature tissue structure.

Ophthalmologists Who Are Seeing Growth



"Preliminary clinical results suggest that ologen™ may be a simple, effective intervention for treating refractory glaucoma that is safer than antiferrotic agents for preventing scarring after trabeculectomy."
Dr. Robert Ritch, MD, United States



"I use the ologen™ collagen matrix in combination with MMC more than 250 times up to now. Our results are more than promising, it's safe and not only for refractory glaucoma cases, but even for primary glaucoma cases."
Prof. Dr. Markus Kohlihaas, Germany



"Postoperative results of patients after trabeculectomy without mitomycin-C or 5-FU using ologen™ collagen matrix are promising."
Prof. Dr. Peter W. Rieck, Germany



"The results are very promising for complicated cases, such as refractory glaucoma and repair late-onset bleb leak. It may be considered as first line of action and replace expensive drainage devices & antibiotics, especially in developing countries."
Dr. Fei, Yuan, MD, China



"Implantation of Collagen Matrix implant (ologen™) effectively brings IOP under control through the formation of a loosely structured filtering bleb. This device may represent a safe, simple and effective therapeutic approach for treating refractory glaucoma without known complications seen using adjunctive therapy."
Dr. Syed Imtiaz Ali, MD, Pakistan



"The use of ologen™ implant is safe, 18-month outcome is promising for primary glaucoma."
Dr. Boon-Ang, Lim, MD, Singapore



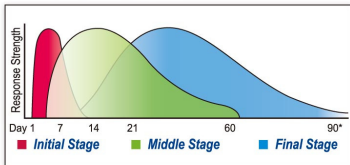
ologen™ Collagen Matrix in trabeculectomy keeps bleb formed and IOP Controlled without post op hypotony."
Dr. Piyush Jansari, MD, India



Features, Advantages, Benefits

Features	Advantages	Benefits
Porous structure	Better remodeling into host tissues	Physiological reservoir system
90% type I atelocollagen	No rejection	Minimal immune response
Natural biodegradation (±90 days after surgery)	Regulated physical consistent	Singular tissue in-growth
Pliable resistance (> 100 kPa)	Long term biomechanical tissue stability	Particular space maintenance
Exceptional dimensions	Ready to use and easy to handle in operative room	Good adaptability to diverse ocular tissue areas

The Role of ologen™ in Eye Tissue Repair



*Depend on medications use or patients' conditions.

■ Initial Stage (early post operative phase)

- Occupy the space (volume)
- Biomechanical strength on implant site
- Physiological modulation of tissue morphology

■ Middle Stage

- Randomize and spread the growth of myofibroblasts
- Regeneration
- Scar prevention

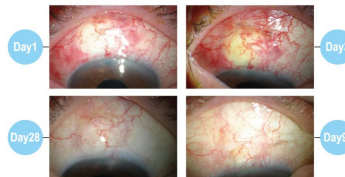
■ Final Stage (Late post operative phase)

- Complete degradation (around 90 days)
- Patent and mature structure
- Create physiological & mature tissue

ologen™ could be considered as follow

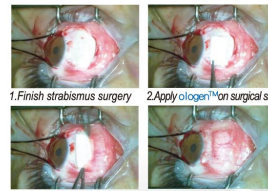
Glaucoma Surgery	Other Indications
<ul style="list-style-type: none"> - Trabeculectomy surgery - Deep sclerectomy surgery - Bleb revision surgery - In shunt/valve drainage implants 	<ul style="list-style-type: none"> - Strabismus surgery - Ocular surface reconstruction - Eye plastic surgery - Grafts donor sites - Pterygium excision - Subconjunctival scar revision

ologen™ in Trabeculectomy



Source: Dr. Peter W. Rieck

ologen™ in Strabismus



Source: Dr. Emilio C. Campos