Opticyte®
Amniotic Ocular Matrix

More than just a membrane, Opticyte Ocular Matrix is designed to preserve the native amnion with a basement membrane similar to the conjunctiva.[1]

Opticyte Ocular Matrix is biological tissue derived from human amnion that has been gently processed without crosslinking reagents, and sterilized using a significantly lower dose of irradiation compared to other commercial grafts.

This customized process yields a graft that is optimized for use by ophthalmic professionals as a biological bandage that protects and provides a protein-rich extracellular matrix. Primary indication is for homologous use, covering and protecting:

- Corneal and stromal ulcerations
- Pterygium excisions
- Conjunctiva surface reconstruction[2]
- Enhancing epithelialization in limbal stem cell deficiency or epithelial defects[3]

Processed Amnion Histology and Microscopy.

Procedure

Opticyte Ocular Matrix can be easily applied to the ocular surface by:

- Absorbable sutures
- Biologic tissue adhesive
- Contact lenses[4]

Safety & Quality

Opticyte Ocular Matrix is processed at an FDA-registered and AATB-accredited institution, providing clinicians a safe and high-quality tissue product for use in ophthalmic procedures.

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Item Number:	Product Description:
AM-OP1008	8 mm Opticyte Disc
AM-OP1010	10 mm Opticyte Disc
AM-OP1012	12 mm Opticyte Disc
AM-OP1014	14 mm Opticyte Disc
AM-OP1016	16 mm Opticyte Disc

Item Number:	Product Description:
AM-OPS-011	1x1 cm Surgical Graft
AM-OPS-012	1x2 cm Surgical Graft
AM-OPS-023	2x3 cm Surgical Graft

Opticyte Toolkit Bundle
Opticyte - Speculum
Opticyte - Forceps
Opticyte - Tooltray

Regulatory Factors

Opticyte Ocular Matrix is classified and qualifies as a human tissue allograft (HCT/P) as outlined in 21CFR 1271 under Section 361 of the Public Health Service Act. Opticyte™ Ocular Matrix is intended for "Homologous Use" as it is used to cover and protect tissue.

Disclaimer

This product is intended for homologous use and should not be used to prevent, treat, or cure a disease. Any use of this product outside of homologous use area may require an Investigational New Drug or Investigational Device Exemption filing with FDA.

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MERAKRIS THERAPEUTICS

References

1. Fukuda K et al. Differential distribution of subchains of the basement membrane components type IV collagen and laminin among the amniotic membrane, cornea, and conjunctiva. Cornea. 199;18:73-79.
2. Tseng SCG et al. Amniotic membrane transplantation with or without limbal allografts for cornea surface reconstruction in patients with limbal stem cell deficiency. Arch Ophthalmol. 1998;116:431-441.
3. "Amniotic Membrane Transplantation" EyeWiki, American Academy of Ophthalmology, December 19, 2017, http://eyewiki.aao.org/Amniotic_Membrane_Transplant#Procedure.
4. Tseng SCG et al. Amniotic membrane suturing techniques. 2007. Springer Berlin Heidelberg.