

OculoMatrix™ & VisiDisc™

DEHYDRATED AMNIOTIC MEMBRANE ALLOGRAFTS

Amniotic tissues are a rich source of the human ExtraCellular Matrix (ECM), a complex protein system that creates the foundation of the body's tissues and organs.^[1,2]

OculoMatrix™ is a dehydrated amniotic membrane allograft, processed from human amniotic tissues. OculoMatrix is available in two thicknesses, for improved handling and delivery in a range of applications.

NATURAL BIOLOGIC WOUND COVERING

Amniotic membranes provide an effective wound covering, natural vapor barrier, and gliding capability over the tissue surface.^[3,4]

FOUNDATION FOR REGENERATION

The ECM contains Collagens I, III, IV, V, VI, VII, fibrous proteins that provide a structural scaffold to support cellular migration.^[5,6] Fibronectin, integrins, laminins, and hyaluronons also play a key role in proliferation, differentiation and adherence to the scaffold.^[7,8,9]

MODULATE CORRECT TISSUE RECONSTRUCTION

Growth factors contained in the ECM, including PDGF, VEGF, EGF, FGF and TGF-β,^[8] support cell proliferation and migration across the defect. This combination of proteins works with the body's own cells to modulate correct tissue reconstruction rather than scar tissue formation.^[10]

REGULATE INFLAMMATION, SCARRING AND PAIN

Amniotic membranes are shown to reduce inflammation, fibrous tissue growth, and potential scar tissue formation.^[11,12]

NON-IMMUNOGENIC

Amniotic membranes are 'immune-privileged', possessing little or no risk of foreign body reaction, which can lead to fibrosis and graft failure.^[13]

ANTI-MICROBIAL

Application of amniotic membrane has been shown to reduce bacteria counts in the wound, demonstrated against a wide range of bacteria.^[14]



PRODUCT FEATURES

- Two thicknesses available
- Round disc and square grafts
- Ideal handling, both dry and wet
- Hydrophilic, adheres well without sutures
- Creates no additional bulk at the site
- 5 year shelf life

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INDICATION

OculoMatrix™ and VisiDisc™ are dehydrated amniotic membrane allografts, intended for homologous use as a wound covering.

Minimally manipulated biologic allografts are regulated by the U.S. Food and Drug Administration (FDA) as Human Cells, Tissues, and Cellular and Tissue-Based Products (HCT/Ps), under Section 361 of the PHS Act.

STORAGE

OculoMatrix™ and VisiDisc™ must be kept at ambient temperature. The grafts have a 5 year shelf life.

PRODUCT PREPARATION

1. Open outer clear pouch. (All contents are sterile.)
2. Place inner pouch on the sterile field using sterile technique.
3. Remove graft with dry, sterile forceps, to apply.

APPLICATION TECHNIQUE

To apply, simply select the appropriate graft size to effectively cover the desired area completely, and lay the graft onto the defect using dry forceps. The graft adheres naturally without need for sutures.

If a hydrated graft is preferred, either place the graft into a dish of sterile saline to hydrate, or moisten the graft while holding it on a gloved finger. The wet graft can then easily be spread over the intended site.

TISSUE SAFETY

All Skye BioECM™ tissues are sourced from live, healthy U.S.-based donors after C-section delivery. Donors are screened and selected based on a stringent criteria, and the final disposition of the donor is determined by a licensed physician. Serologic testing and tissue culture swabs are performed for each donor. Donor screening, tissue collection and processing protocols meet or exceed applicable FDA regulations and industry standards.

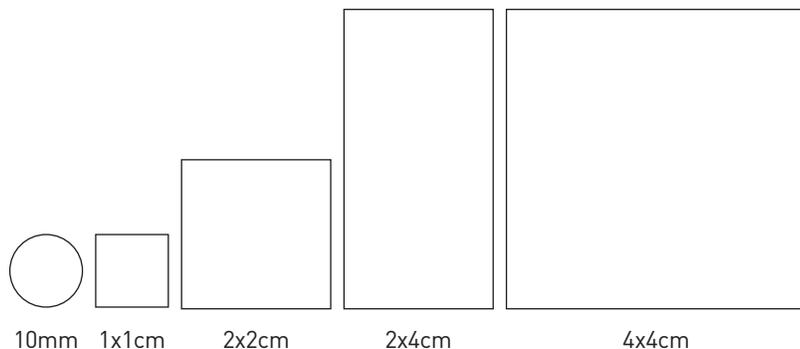
HYDRATEK™ PROCESS

HydraTek™ is a proprietary, bio-aware process and patent-pending technology, designed to better preserve the biological viability and biomechanical integrity of the human tissue matrix. HydraTek allografts are not compromised by the industry's standard drying methods, which may lead to protein denaturing and collagen collapse.



OculoMatrix™ shown in a corneal application. The graft lays down easily, resists wrinkling and adheres well.

PRODUCT SIZES (Shown actual size.)



PRODUCT ORDERING INFORMATION

OculoMatrix™ Thin	OculoMatrix™ Thick	Size
OC4511	OC20011	1x1cm
OC4522	OC20022	2x2cm
OC4524	OC20024	2x4cm
OC4544	OC20044	4x4cm

VisiDisc™ Thin	VisiDisc™ Thick	Size
VS4510	VS20010	10mm disc



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