

see things  
**differently**

## Introducing BIOVANCE•3L Ocular Tri-Layer Human Amniotic Membrane

It's time to rethink dehydrated amnion tissue. BIOVANCE•3L's unique 3-layer construction is designed for **improved handleability** and **ease of use** when used in the treatment of ocular surface diseases and disorders.

**Bio Vance**®•3L  
HUMAN AMNIOTIC MEMBRANE ALLOGRAFT

OCULAR

### INDICATIONS FOR USE

BIOVANCE•3L Ocular is an allograft intended for use as a biological membrane covering that provides the extracellular matrix while supporting the repair of damaged tissue. As a barrier membrane, BIOVANCE•3L Ocular is intended to protect the underlying tissue and preserve tissue plane boundaries with minimized adhesion or fibrotic scarring. Applications include, but are not limited to, corneal and conjunctival related injuries or defects such as corneal epithelial defects, pterygium repair, fornix reconstruction, and other procedures.

### CONTRAINDICATIONS, WARNINGS, AND PRECAUTIONS

BIOVANCE•3L Ocular is contraindicated in patients with a known hyper-sensitivity to BIOVANCE•3L Ocular.

If a patient has an adverse reaction related to the use of BIOVANCE•3L Ocular, immediately discontinue its use. BIOVANCE•3L Ocular should not be used on clinically infected wounds.

The pouch contents are sterile if the pouch is unopened and undamaged. Do not use if package seal is broken. Discard material if mishandling has caused possible damage or contamination. Do not resterilize.

BIOVANCE•3L Ocular must be used prior to the expiration date on the product pouch.

BIOVANCE•3L Ocular should not be used together with a collagenase product on the wound.

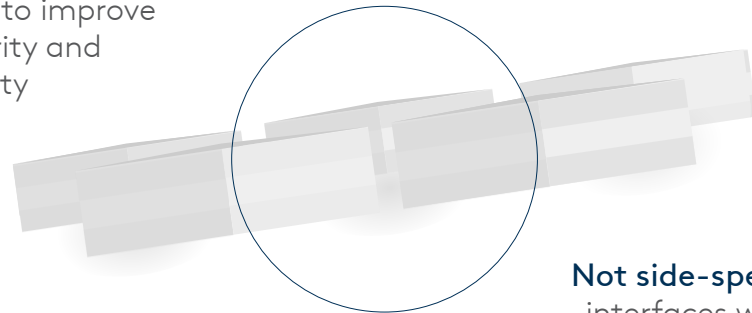
For product information or adverse reaction reporting, telephone 1-844-963-2273.

Please refer to the BIOVANCE•3L Package Insert for complete product information.

# The difference is in the **unique 3-layer design**

**3-dimensional design** provides more surface area for cell attachment and proliferation

**3 laminated layers** to improve structural integrity and handleability



**Not side-specific** – stromal side interfaces with ocular surface regardless of orientation

## Features exclusive to BIOVANCE•3L



**Easy to handle** - three layer design is thicker than other single layer amnion

**Easy to use** - no preparation required

Shaped for **ophthalmology** procedures – conforms easily to irregular surfaces

**Designed for patient comfort** – no outer ring or ridge

**Tri-layer design** allows for suturing if needed

**10-year shelf life** - stored at ambient room temperature

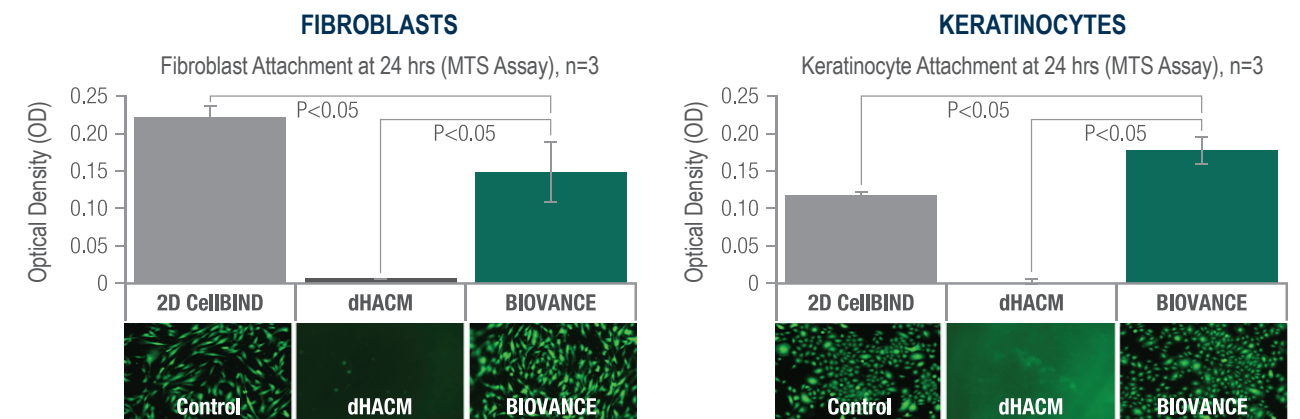
## Pure human amniotic tissue with an intact basement membrane<sup>1</sup>

- Devoid of cells, hormones, growth factors and cytokines
- Serves as a cell-friendly structure for cell attachment within hours
- Cell attachment is a natural stimulus for the orderly release of growth factors and cytokines

Decellularized inert amnion scaffold provides the optimal environment for **cell attachment** and **proliferation**.

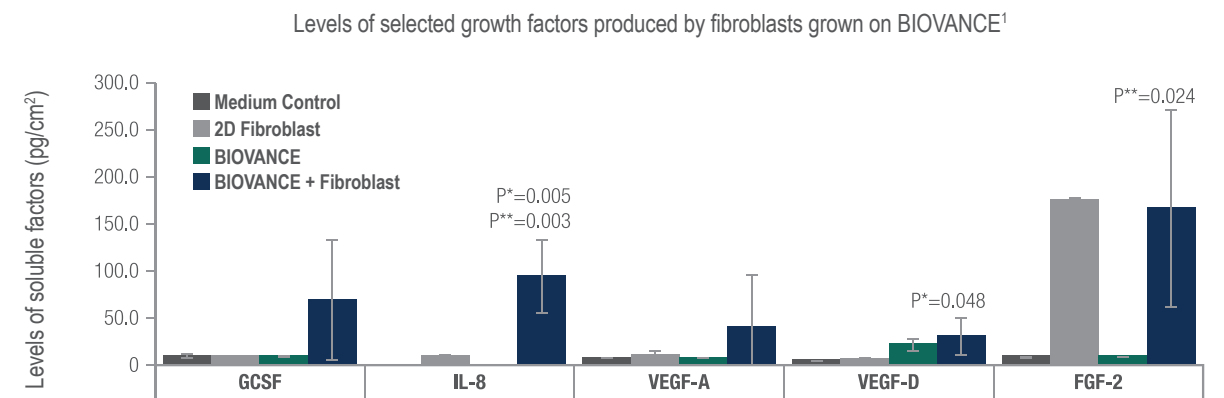


Within 24 hours, **cells** readily attached to BIOVANCE, but not dHACM<sup>1</sup>



*In vitro* data, BIOVANCE served as an inert scaffold with an intact basement membrane that supported a high level of fibroblast and keratinocyte attachment vs dHACM, which had no attachment of either cell type

Fibroblasts that attach to and grow on BIOVANCE **release growth factors** *in vitro* that support wound closure<sup>1</sup>



- Growth factors, among other key molecules released by attached fibroblasts, may support key events in wound healing such as cell survival, wound closure, and angiogenic blood vessel formation
- Once growth factors were released, measured cell metabolic activity showed the revival of senescent endothelial cells and keratinocytes

Available in **ocular-specific shapes** and **6 different sizes** to meet your application needs



**10 mm DISC**

Product code: OCLR0010



**12 mm DISC**

Product code: OCLR0012



**15 mm DISC**

Product code: OCLR0015



**15 mm x 20 mm**

Product code: OCLR1520



**25 mm x 25 mm**

Product code: OCLR2525



**35 mm x 35 mm**

Product code: OCLR3535

For more information please contact  
Celularity at **1-844-963-2273**

**BioVance® 3L**  
HUMAN AMNIOTIC MEMBRANE ALLOGRAFT



**REFERENCES:** 1. Bhatia M, Pereira M, Rana H, Stout B, Lewis C, Abramson S. The mechanism of cell interaction and response on decellularized human amniotic membrane: Implications in wound healing. *Wounds*. 2007;19(8):207-217.

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