

CYGNUS[®]

MATRIX

CYGNUS[®] Matrix is an amniotic allograft processed to retain the inherent properties of amniotic tissue and a rich supply of extracellular matrix, growth factors, and cytokines.^{1,2}

► FEATURES & BENEFITS

CYGNUS Matrix may be applied as a **soft tissue barrier** or **wound covering** to help provide protection to the damaged tissue.^{1,3}

CYGNUS Matrix is a **multi-layer** membrane allograft, which includes the amnion layer, the intermediate/spongy layer, and the chorion layer of the amniotic sac.

Features:

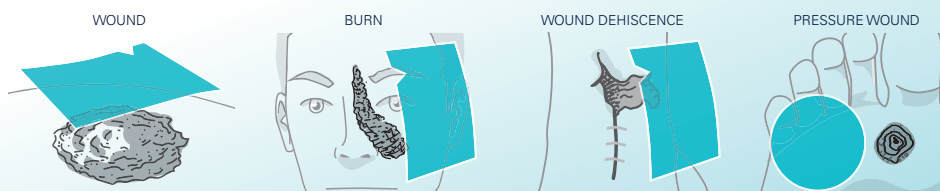
- Amniotic layers are **never delaminated**
- ~400 µm (0.4mm) thick, up to 4X thicker than the single amnion layer
- CYGNUS Matrix has been shown to be more than 2X thicker than a competitive amnion/chorion allograft product.⁴

There have been over 600 different growth factors and cytokines identified in CYGNUS Matrix, including the following which are some of the most notable growth factors:

NATIVE GROWTH FACTOR PRESENT	RELATIVE AMOUNT OF CYGNUS MATRIX DETERMINED BY ELISA ASSAY (n=3)	RELATIVE AMOUNT OF COMPETITIVE AMNION/CHORION DETERMINED BY ELISA ASSAY (n=3)
HGF	++++	+++
IGF-1	+++++	-
TGF-β1	+++++	+
bFGF	++	-
VEGF	++	-

► POTENTIAL CLINICAL APPLICATIONS

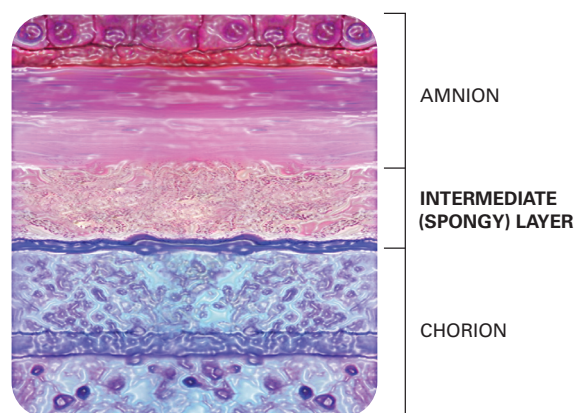
- Wound care
- Burn care
- Dermatology
- Wound Dehiscence



CYGNUS Matrix



CYGNUS Matrix Disk



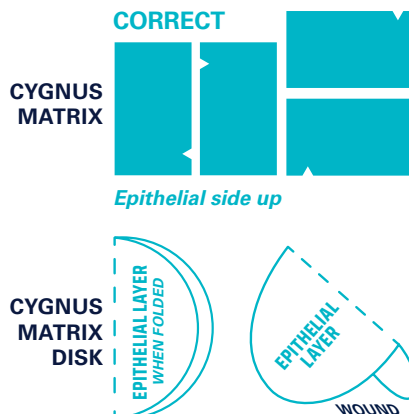
THE PROPRIETARY INTEGRITY PROCESSING™ PRESERVES UP TO 600+ SIGNALING PROTEINS IN VIAGENEX MATRIX AND MAX⁶

▶ ALLOGRAFT SIZES

Available in rectangular and circular shapes and various sizes to meet clinical needs.



▶ ALLOGRAFT ORIENTATION



Ready-to-use,
ambient temperature storage
(2°C to 30°C)



E-Beam sterilized for sterility
assurance level (SAL) of 10^{-6}



No prep required,
hydrates in site



5-year shelf life

▶ SAFE AND TRUSTED PARTNER

VIVEX Biologics focuses on patient care through the innovation of tissue and biologic-based therapies in Wound Care, Ortho-Fusion, and Interventional Pain. With more than 50 years of highly safe and effective operations, VIVEX aims to provide advanced regenerative solutions.

- Amniotic tissue is recovered from healthy mothers at live births.
- Amniotic tissue is handled and processed in accordance with both FDA regulations and AATB standards.
- VIVEX maintains the trend of safely delivering over 2 million allografts with no disease transmission.

CYGNUS® MATRIX

Amniotic Allograft

Product HCPCS Code: Q4199 (CYGNUS Matrix) per sq cm

ITEM NUMBER	SIZE	SQ. CM
CAP020200S	2x2cm	4
CAP020300S	2x3cm	6
CAP030300S	3x3cm	9
CAP040400S	4x4cm	16
CAP040600S	4x6cm	24
CAP101100S	10x11cm	110

CYGNUS® MATRIX DISK

Amniotic Allograft

Product HCPCS Code: Q4199 (CYGNUS Matrix) per sq cm

ITEM NUMBER	SIZE	SQ. CM
CAP015000S	15mm Disk	2
CAP025000S	25mm Disk	5
CAP035000S	35mm Disk	10

VIVEX has used reasonable efforts to provide accurate and complete information herein, but this information should not be construed as providing clinical advice, dictating reimbursement policy, or as a substitute for the judgment of a health care provider. It is the health care provider's responsibility to determine the appropriate treatment, codes, charges for services, and use of modifiers for services rendered and to submit coverage or reimbursement-related documentation.

1. Delcroix Gaetan J. R., et. al. "Preserving the Natural Regenerative Potential of Amniotic Membrane." VIVEX Biologics, 2017.
2. Niknejad, Hassan, et. al. "Properties of the Amniotic Membrane for Potential Use in Tissue Engineering." European Cells and Materials, 2008, vol. 15, pp. 88-89.
3. Koob, Thomas J., et. al. "Properties of Dehydrated Human Amnion/Chorion Composite Grafts: Implications for Wound Repair and Soft Tissue Regeneration." Journal of Biomedical Materials Research B: Applied Biomaterials, 2014, vol. 102B, pp. 1353-1362.
4. Data on file at Vivex Biologics, Inc.



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