VIAMATRIX™

VIA 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

VIA Matrix may be applied as a **tissue barrier** or **wound covering** to help provide protection to the damaged tissue.[1,3]

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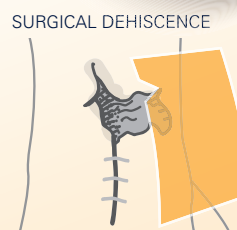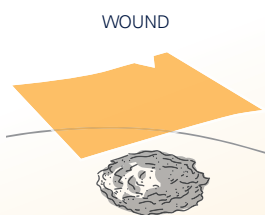
Features:

- Layers are **never delaminated**; structural integrity of the amnion, intermediate/spongy, and chorion is maintained.

- ~240 μm (0.24mm) thick, up to 3X thicker than the single amnion layer.

- Suitable scaffold, allowing the attachment of human dermal fibroblasts.[6] Fibroblasts promote wound healing by synthesizing collagen and essential extracellular matrix components necessary for tissue repair and regeneration.[4]

- Retention of naturally occurring structural components, specifically, collagen and hyaluronic acid.[6] Hyaluronic acid is vital in amniotic membrane tissue grafts, significantly enhancing wound healing.[5]

AMNION

INTERMEDIATE (SPONGY) LAYER

CHORION

EPITHELIAL LAYER
ATTACHED AMNION/ CHORION LAYERS
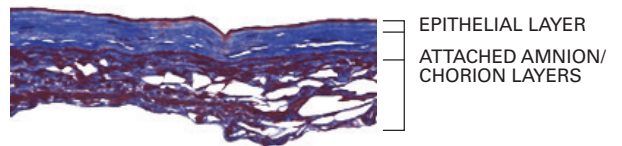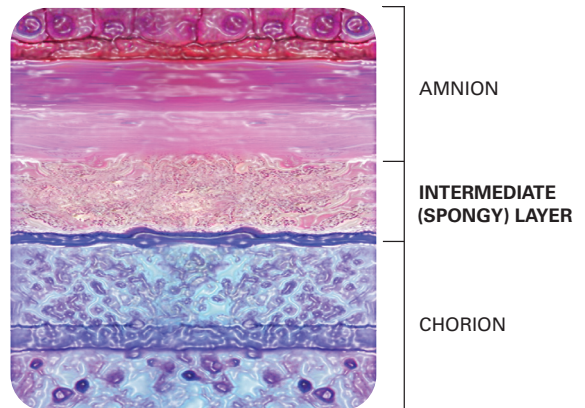
Histology evaluated by Masson's Trichrome staining of VIA Matrix showing epithelial layer and attached amnion/chorion layers

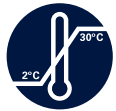**THE PROPRIETARY INTEGRITY PROCESSING™ PRESERVES UP TO 700+ SIGNALING PROTEINS IN VIA MATRIX[6]**

▶▶ POTENTIAL CLINICAL APPLICATIONS

- Wound care
- Venous leg ulcers
- Dermatology
- Surgical dehiscence
- Diabetic foot ulcers
- Pressure wounds

WOUND

DERMATOLOGY

SURGICAL DEHISCENCE

PRESSURE WOUND

VIAMATRIX™

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

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

No prep required, hydrates in site

5-year shelf life

▶▶ VIVEX: 50+ YEARS OF INNOVATION

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 biologic solutions.

- Amniotic tissue is recovered during live births from consenting mothers.
- 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.

▶▶ ALLOGRAFT ORIENTATION

CORRECT

VIA MATRIX

Epithelial layer side up
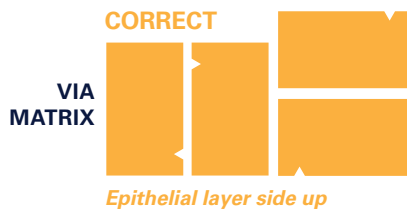
VIA MATRIX™

Amniotic Allograft
Product HCPCS Code: Q4309 (VIA Matrix) per sq cm

ITEM NUMBER	SIZE	SQ. CM
VMA020300S	2x3cm	6
VMA040400S	4x4cm	16
VMA040600S	4x6cm	24
VMA101100S	10x11cm	110

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. Bainbridge, P. "Wound Healing and the Role of Fibroblasts." Journal of Wound Care, 2013, vol. 22, no.8.
5. Antoszewska, Magdalena, et. al. "Wide Use of Hyaluronic Acid in the Process of Wound Healing - A Rapid Review." Scientia Pharmaceutica, 2024, vol. 92.
6. Data on file at Vivex Biologics, Inc.