

Pro³

Pro3[®] Placenta & Cord
Amniotic Membranes for Soft Tissue Protection



Exclusively foot & ankle
Paragon²⁰

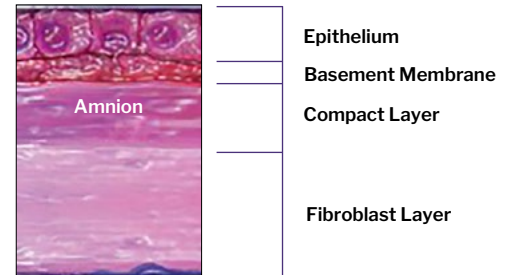
FEATURES AND BENEFITS

Amniotic tissue acts as an immune-privileged protective barrier during fetal development.^{2,3} The properties of amniotic tissue help provide protection to damaged tissue while maintaining nutrient-rich growth factors.^{2,3}

Pro3-P® Placental Membrane



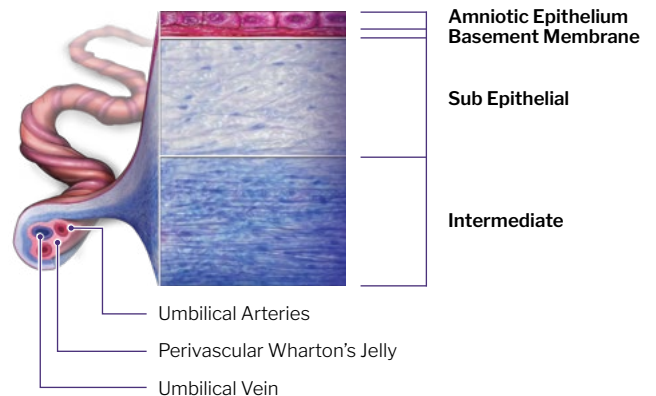
- ▶ Single-layer membrane featuring ONLY the amnion layer of the amniotic sac
- ▶ Thin ~100µm (0.1 mm) thick
- ▶ Ideal for superficial wounds and topical application
- ▶ Epithelial side indicated



Pro3-C® Umbilical Cord

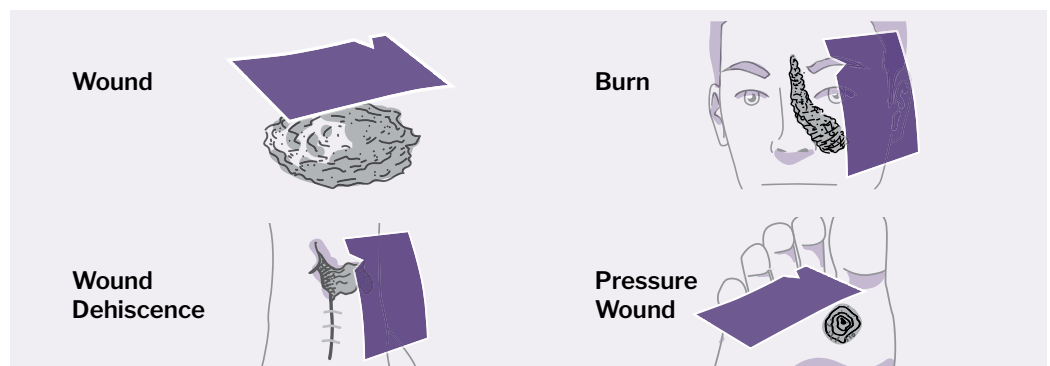


- ▶ Amniotic membrane allograft derived from the umbilical cord
- ▶ Thick ~800µm (0.8 mm) thick
- ▶ Up to 8x thicker than the single-layer amniotic allograft
- ▶ Robust enough to be sutured in place
- ▶ Ideal for internal wound healing such as tendon and nerve wraps



POTENTIAL CLINICAL APPLICATIONS

- ▶ Wounds
- ▶ Burns
- ▶ Diabetic Foot Ulcers
- ▶ Venous Leg Ulcers
- ▶ Pressure Wounds
- ▶ Hard-to-Heal Wounds
- ▶ Surgical Wound Dehiscence
- ▶ Nerve Wrap
- ▶ Tendon and Ligament Injuries



ALLOGRAFT ORIENTATION

Correct



Epithelial side up



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



No prep required, hydrates in site



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



5-year shelf life

Pro3-P and Pro3-C are processed in a unique way that preserves up to 600+ signaling proteins.¹

This gentle process removes blood remnants, while preserving the allograft composition without compromising structural integrity.

Extracellular matrix (ECM) proteins in amniotic allografts and their corresponding role⁴⁻⁵

ECM PROTEINS	ROLE
Collagen, type I-VII	Main structural protein component in the body
Fibronectin	Binding protein agent, supports initial cell attachment
Hyaluronic Acid	Lubricating hydrophilic protein that coats cells and aids in hydrodynamic movements
Laminin	High molecular weight protein to which cells easily bind and migrate across
Proteoglycans	Connective proteins that fill the spaces between cells in tissue and affect the stability of the proteins and growth factors

ORDERING INFORMATION

PRO3-P®	
Part Number	Description
P01-AMP-0203	PRO3™-P Amniotic Placental Membrane 2x3 cm, Thin
P01-AMP-0404	PRO3™-P Amniotic Placental Membrane 4x4 cm, Thin
P01-AMP-0408	PRO3™-P Amniotic Placental Membrane 4x8 cm, Thin
P01-AMP-0212	PRO3™-P Amniotic Placental Membrane 2x12 cm, Thin
P01-AMP-0707	PRO3™-P Amniotic Placental Membrane 7x7 cm, Thin

PRO3-C®	
Part Number	Description
P01-AMC-0203	PRO3™-C Amniotic Cord Membrane 2x3 cm Thick
P01-AMC-0304	PRO3™-C Amniotic Cord Membrane 3x4 cm Thick
P01-AMC-0306	PRO3™-C Amniotic Cord Membrane 3x6 cm Thick

References:

1. Data on file at Vivex Biologics, Inc.
2. Delcroix Gaetan J. R., et. al. "Preserving the Natural Regenerative Potential of Amniotic Membrane." VIVEX Biologics, 2017.
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. Meisenberg, Gerhard, et. al. "The Extracellular Matrix." *Principals of Medical Biochemistry*, 2016, pp. 218-234.
5. Yanagishita, M. "Function of Proteoglycans in the Extracellular Matrix." *Acta Pathologica Japonica*, June 1993, vol. 43, pp. 283-93.

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Exclusively foot & ankle
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