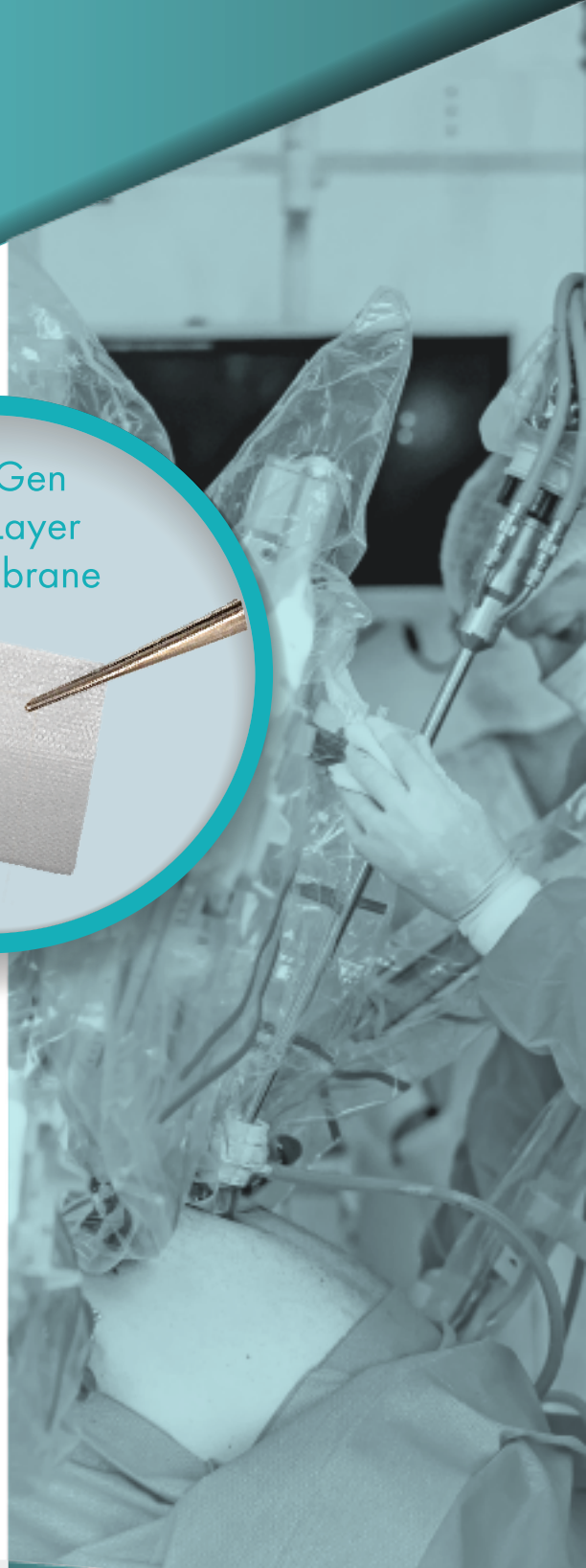


PalinGen[®] Dual Layer Amniotic Membrane



- **Dual-Layer**
Two layers of amniotic tissue provides 2x the growth factors
- **Easy to Use**
Thicker graft facilitates handling in robotic and laparoscopic surgical procedures
- **Surgical Barrier**
Designed for scar tissue and inflammation reduction potential¹
- **Easy Placement**
Dual layer allows placement of the graft on either side, eliminating orientation restrictions in surgical repair
- **Chorion Free**
Immune privileged, reducing the risk of adverse reaction
- **Biomechanical Integrity**
Offers greater tensile strength, shape manipulation and slower resorption in vivo²



BENEFITS OF AMNIOTIC MEMBRANE GROWTH FACTORS:^{3*}

- ✓ Non-Immunogenic
- ✓ Tissue regeneration/remodeling
- ✓ Anti-bacterial
- ✓ Anti-adhesive/anti-scarring
- ✓ Anti-inflammatory
- ✓ Anti-microbial

Contains key growth factors and extracellular matrix proteins recognized as intrinsic to the wound healing process⁴

- Platelet Derived Growth Factor (PDGF) A & B
- Vascular Endothelial Growth Factor (VEGF)
- Transforming Growth Factor beta (TGFβ)
- Fibroblast Growth Factor (FGF)
- Epidermal Growth Factor (EGF)
- Tissue Inhibitors of Metalloproteinases (TIMPs)
- Collagen Types I, III, IV, V, VII
- Laminin
- Fibronectin
- Proteoglycans
- Hyaluronic Acid (HA)

Ordering Information

Product Description	Size	Product Code
PalinGen® Dual Layer X-Membrane	2 x 3cm	DLX-020203
	4 x 4cm	DLX-020404
	4 x 6cm	DLX-020406
	4 x 8cm	DLX-020408

1. Sinno, Prakash. *Plast Surg Int*. 2013;146764.

2. Spoel, et al. *Ophthalmic Res*. 2004;36(2):71-7

3. Martin, et al. *Encyclopedia of Reproduction*, 2018;3:387-398.

4. Tao, Fan. *Eur Spine J*. 2009;18(8):1202-1212.

*Based on published studies; not specific to PalinGen Amniotic Membranes

Tissue Recovery & Processing

PalinGen Amniotic Membranes are donated by healthy, pre-screened, consenting women in the US, and processed in accordance with FDA regulations and AATB standards

DONOR SCREENING

A thorough medical and social history is obtained for each donor to ensure eligibility requirements are met

TISSUE COLLECTION

Placental tissue is collected and donated from live births in the U.S. and does not require fetal sacrifice

INFECTIOUS DISEASE TESTING

- HBsAg • HCV NAT • HIV 1/2Ab • CMV
- HBcAb • HBV NAT • WNV NAT • RPR/STS
- HCVAAb • HIV NAT • HTLV I/II Ab

TISSUE PROCESSING

All tissue undergoes a proprietary cleansing process to remove blood contaminants and reduce bioburden

TISSUE STERILIZATION

Tissue is sterilized for an additional level of safety, achieving a sterility assurance level (SAL) of 10⁻⁶



Pinnacle Transplant Technologies™

Improving today. Advancing tomorrow.

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