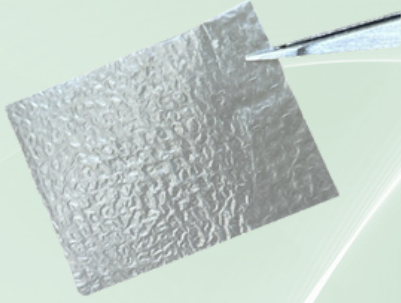




Abiomed Xplus Membrane is an advanced, crosslinked, chorion-free amniotic tissue designed to support wound healing and tissue regeneration.⁵ The crosslinking process makes Abiomed Xplus particularly useful in long-term wound coverage and structural support, distinguishing it from non-crosslinked amniotic membranes that degrade quicker.³

PRODUCT FEATURES

- Single-Layer Technology
- Chorion-Free: Minimizes immunogenicity
- Size Option Versatility
- Storage & Handling: Stable at ambient room temperature (15-30°C or 59-86°F) until use



CROSSLINKED FEATURES

- **Increased Strength & Stability** : Crosslinking strengthens the extracellular matrix (ECM) by creating covalent bonds between collagen fibers, improving its mechanical properties.⁵
- **Extended Resorption Time**: The process slows down the natural degradation of the tissue, allowing it to remain in the body longer for sustained therapeutic effects.³
- **Improved Biocompatibility**: Crosslinked membranes retain essential growth factors while reducing the risk of rapid breakdown or host rejection.^{1,3,5}
- **Enhanced Wound Protection**: Provides a more robust and resilient barrier for wound healing and tissue regeneration.⁴

WHY CHOOSE ABIOMEND XPLUS?

- **Crosslinked**: Enhances structural integrity and durability.^{3,5}
- **Ethically Sourced & Safe**: Donor tissues are recovered with maternal consent, using stringent screening and aseptic processing to meet FDA and CLIA standards.
- **Rich in Growth Factors**: Contains key growth factors, cytokines, and extracellular matrix proteins vital for wound healing.^{1,3}
- **Supports Natural Healing**: Offers anti-inflammatory, anti-bacterial, and anti-fibrotic properties to promote tissue regeneration.⁴
- **Flexible & Adaptable**: Provides greater tensile strength, shape manipulation, and controlled resorption for various clinical applications.³

KEY GROWTH FACTORS FOUND IN ABIOMEND XPLUS:

- Fibroblast Growth Factor (FGF)^{1,3}
- Epidermal Growth Factor (EGF)^{1,3}
- Platelet Derived Growth Factor (PDGF) A & B^{1,3}
- Vascular Endothelial Growth Factor (VEGF)^{1,3}
- Transforming Growth Factor beta (TGFβ)^{1,3}

APPLICATIONS:

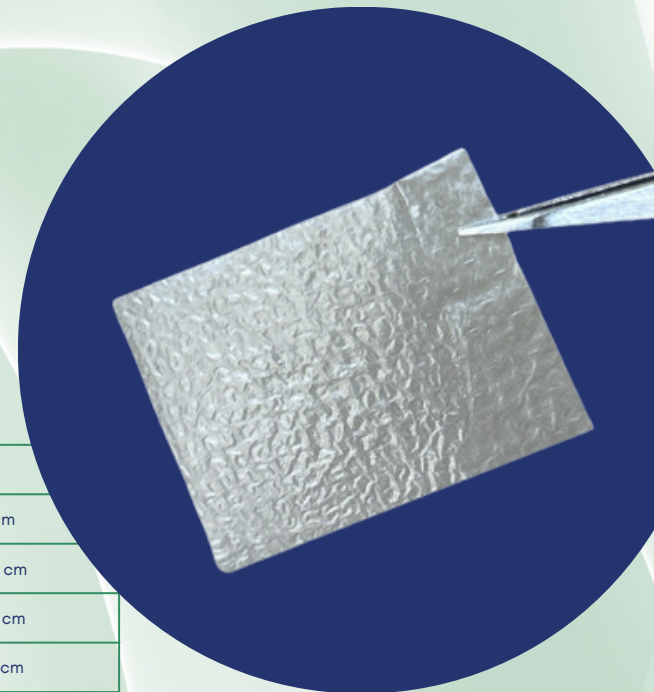
- Chronic wounds (diabetic ulcers, pressure ulcers)²
- Surgical wounds
- Burns and trauma wounds²
- Ophthalmic procedures
- Orthopedic and sports medicine

ORDERING INFORMATION - Q4355

Size	SKU	Name	Description
1x1 cm	ABXM-11	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 1x1 cm
2x2 cm	ABXM-22	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 2x2 cm
2x3 cm	ABXM-23	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 2x3 cm
3x3 cm	ABXM-33	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 3x3 cm
4x4 cm	ABXM-44	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 4x4 cm
4x6 cm	ABXM-46	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 4x6 cm
4x8 cm	ABXM-48	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 4x8 cm
7.5x13 cm	ABXM-713	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 7.5x13 cm
10x15 cm	ABXM-1015	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 10x15 cm
10x20 cm	ABXM-1020	Abiomed Xplus Membrane	Single Layer Crosslinked Amniotic Membrane 10x20 cm

EXTRACELLULAR MATRIX ELEMENTS FOUND IN ABIOMEND XPLUS:

- Collagen Types I, III, IV, V and VII⁴
- Laminin
- Fibronectin
- Tissue Inhibitors of Metalloproteinases (TIMPs)
- Proteoglycans
- Hyaluronic Acid (HA)



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3) Growth factors and cytokines in wound healing. Barrientos S, Stojadinovic O, Golinko MS, Brem H, Tomic-Canic M. Wound Repair Regen. 2008; 16(5):585-601

4) Immunological characteristics of amniotic epithelium. Hori J, Wang M, Kamiya K, Takahashi H, Sakuragawa N. Cornea. 2006; 25(10): S53-58

5) Delgado LM, Bayon Y, Pandit A, Zeugolis DI. To cross-link or not to cross-link? Cross-linking associated foreign body response of collagen-based devices. Tissue Eng Part B Rev. 2015 Jun;21(3):298-313. doi: 10.1089/ten.TEB.2014.0290. Epub 2015 Mar 12. PMID: 25517923; PMCID: PMC4442559.