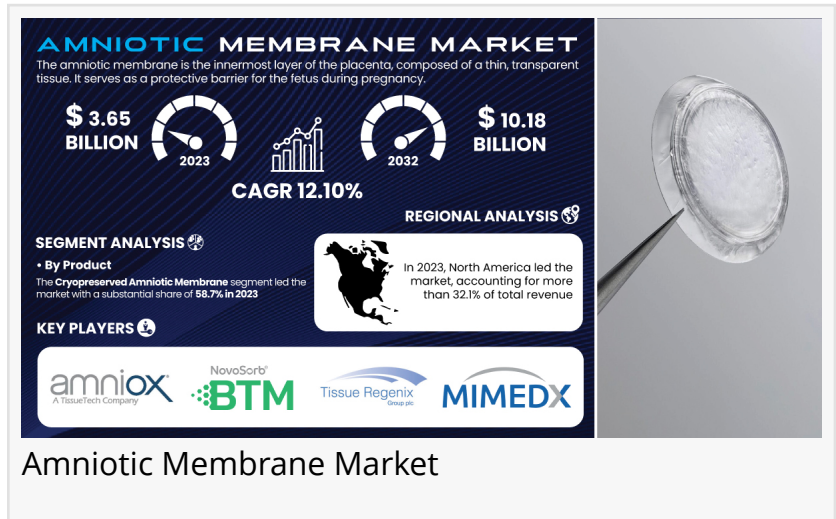


# Amniotic Membrane Market Sees Strong Growth Due to Advances in Regenerative Medicine and Technological Innovation

*Amniotic membrane market is rapidly growing driven by advancements in regenerative medicine, cryopreservation & rising demand for wound & ophthalmic treatments.*

AUSTIN, TX, UNITED STATES, December 10, 2024 /EINPresswire.com/ -- The [Amniotic Membrane Market](#) was valued at USD 3.65 Billion in 2023 and is projected to reach USD 10.18 Billion by 2032, growing at a compound annual growth rate (CAGR) of 12.10% from 2024 to 2032.



## Growth of the Amniotic Membrane Market Key Drivers and Expanding Applications

The amniotic membrane market is growing rapidly due to its effectiveness in wound healing, surgical treatments, and regenerative medicine. Rich in growth factors and anti-inflammatory properties, amniotic membranes are used to treat chronic wounds, surgical wounds, and ophthalmic conditions, offering benefits such as reduced healing time and tissue regeneration. The aging global population, projected to reach 2.1 billion people aged 60 and older by 2050, is a major driver of this growth, particularly in treating age-related eye conditions like cataracts and macular degeneration. In the U.S., 91% of cataract surgeries are performed on individuals over 65, highlighting the increasing demand for eye treatments.

Technological advancements in cryopreserved and dehydrated amniotic membranes have further fueled market expansion, with clinical success rates for treating corneal disorders exceeding 85%. Additionally, amniotic membranes are gaining popularity in orthopedic and plastic surgeries due to their regenerative properties, enhancing recovery from trauma and injuries.

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Key Players:

- AmnioX Medical, Inc. - (AmnioGraft, AmnioBand)
- NovoSorb - (NovoSorb BTM)
- MediVerbs - (MediVerbs Amniotic Membrane Allograft)
- Tissue Regenix - (dCell® Dermal Matrix)
- Integra LifeSciences - (AmnioExcel, AmnioMatrix)
- AlloSource - (AlloPatch, AlloDerm)
- SBiC - (AmnioMatrix, AmnioWrap)
- MiMedx - (EpiFix, AmnioFix)
- Organogenesis - (Apligraf, Dermagraft)
- Skye Biologics - (Amniotic Membrane Tissue)
- Surgenex - (Amniotic Membrane Allograft)
- Eyre Bio - (Eyre Amniotic Membrane)
- Cure Medical - (Amniotic Membrane Allograft)
- Acelity - (TAPESTRY, CellerateRx)
- Vericel Corporation - (Epicel)
- Athersys, Inc. - (MultiStem)
- TissueTech, Inc. - (AmnioGuard, AmnioFix)
- Celltex Therapeutics - (Amniotic Membrane Tissue)
- Tissue Sciences Corporation - (Amniotic Membrane Allograft)
- Regeneration Biomedical - (Amniotic Membrane)

Key Market Segmentation:

By Product

- Cryopreserved Amniotic Membrane
- Dehydrated Amniotic Membrane

Cryopreserved Amniotic Membrane Segment Dominates and Poised for Strong Growth

In 2023, the Cryopreserved Amniotic Membrane segment led the market with a significant share of 58.7% and is expected to experience the highest growth rate throughout the forecast period. Cryopreserved amniotic membrane (CAM) is biologically active tissue preserved through cryogenic freezing, maintaining its cellular and extracellular matrix structure. This preservation method, typically involving liquid nitrogen, helps retain therapeutic factors like growth factors, cytokines, and matrix components. CAM is widely used in ophthalmology for treating corneal defects, ulcers, and chemical burns, promoting faster healing, reduced scarring, and quicker recovery.

By Application

- Surgical Wounds

- Ophthalmology
- Others

## Ophthalmology Segment to Experience Rapid Growth

The Ophthalmology segment is expected to experience the fastest growth during the forecast period, driven by the effectiveness of amniotic membranes in treating ocular surface conditions such as corneal ulcers and persistent epithelial defects. These membranes help reduce pain and scarring, promoting faster healing and lowering the risk of infection, which is common with open wounds. Additionally, amniotic membranes are used in pterygium surgery and conjunctival reconstructions. The growing demand for amniotic membranes in ophthalmology is fueled by positive patient outcomes, including improved vision and a reduction in eye complications.

## By End-Use

- Hospitals
- Ambulatory Surgical Centers
- Specialty Clinics
- Research Institutes and Academic Institutes

## Hospitals Dominate and Ambulatory Surgical Centers Drive Rapid Growth in the Amniotic Membrane Market

The Hospital and Clinics segment led the market in 2023, accounting for over 39.1% of the revenue share. Hospitals utilize the regenerative, anti-inflammatory, and scar-reducing properties of amniotic membranes to treat chronic wounds, and corneal defects, and perform reconstructive surgeries. These membranes are crucial for improving healing rates and patient outcomes, responding to the growing demand for advanced treatment options in modern healthcare settings.

The Ambulatory Surgical Centers (Ascs) segment is expected to grow at the fastest rate during the forecast period. ASCs use amniotic membranes for their minimal-invasive regenerative and anti-inflammatory qualities, offering quick healing and reduced complications. These membranes are particularly beneficial in ophthalmic surgeries, such as pterygium excision, promoting faster healing and minimizing scarring.

## North America Leads and APAC Shows Fastest Growth

In 2023, North America dominated the amniotic membrane market, accounting for over 32.1% of the total revenue. This is attributed to its well-established healthcare infrastructure and the presence of major industry players. The region's focus on alternative therapies and the integration of advanced technologies are expected to drive continued market growth in the forecast period. The demand for regenerative medicine, including amniotic membrane

treatments, is fueled by cutting-edge healthcare facilities and a strong regulatory framework.

The Asia-Pacific (APAC) region is projected to experience the fastest growth in the market. Economic advancements and rising income levels in several APAC countries are contributing to this growth, with many multinational companies investing in the region. Additionally, the evolving healthcare infrastructure in countries such as Japan and India, coupled with significant unmet healthcare needs, is driving demand for amniotic membrane products.

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### Key Developments in the Amniotic Membrane Market

- In February 2024, Verséa introduced a point-of-care platform for amniotic membrane grafting, offering rapid testing and immediate treatment options to enhance patient care in ophthalmology.
- In December 2023, NovaBay Pharmaceuticals partnered with Woo University to educate eye care professionals on the effective use of amniotic membranes.

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