

Global Amniotic Membrane Market Size Study, by Product (Cryopreserved Amniotic Membrane, Lyophilization Amniotic Membrane), by Application (Ophthalmology, Surgical Wound), by End User (Ambulatory Surgical Center, Hospital, Research Centers Laboratory, Specialized Clinic) and Regional Forecasts 2022-2032

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Abstracts

Global Amniotic Membrane Market is valued at approximately USD 1.02 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 9.26% over the forecast period 2024-2032. Amniotic membranes, derived from the innermost layer of the placenta, contain a unique combination of cells and extracellular matrix that endow them with regenerative properties. These membranes are increasingly utilized in various therapeutic practices due to their anti-inflammatory, anti-fibrotic, and anti-microbial properties, as well as their ability to support stem cell proliferation. They are predominantly used in ophthalmology, wound care, and surgical procedures. However, the market faces challenges such as ethical constraints, stringent regulations, and cost issues. Advances in preservation technologies, such as cryopreservation and lyophilization, are enhancing the storage and transport of these membranes, thereby expanding their availability and shelf-life. Increased awareness among healthcare professionals and patients about the benefits of amniotic membrane-based products is also creating opportunities for market expansion.

Cryopreserved amniotic membranes are highly valued for maintaining the tissue's inherent biological properties and structural integrity, ensuring their therapeutic effectiveness. Cryopreservation allows for long-term storage and viability of the tissue, making it readily available for various clinical applications. Lyophilized amniotic

membranes, produced by dehydrating the tissue using freeze-drying, offer the advantage of stability at room temperature, facilitating storage and distribution without the need for refrigeration.

In ophthalmology, amniotic membranes are highly regarded for their therapeutic properties, which include promoting surface reconstruction, reducing inflammation, and inhibiting angiogenesis. These properties are particularly beneficial in surgeries involving the cornea, as they facilitate healing and support ocular surface restoration. In surgical wound care, amniotic membranes serve as biological dressings that assist with the natural healing process. Their use in various surgical applications, including burns, chronic wounds, and surgical incisions, is expanding.

Ambulatory Surgical Centers (ASCs) and hospitals are major end-users of amniotic membranes. ASCs utilize amniotic membranes for their healing properties, such as reducing inflammation and scarring and promoting re-epithelialization. Hospitals employ these membranes for a wide range of indications, including burns, difficult-to-heal wounds, and various surgical procedures where regenerative medicine is imperative. Research centers and laboratories are pivotal in exploring novel uses of amniotic membranes and enhancing the medical understanding of their regenerative properties.

The key regions considered for the global Amniotic Membrane Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Amniotic Membrane Market in terms of revenue. The market growth in the region is being attributed to factors including strong presence of sophisticated healthcare infrastructure, heightened awareness amongst both practitioners and patients, and favorable reimbursement policies. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by rapidly advancing healthcare infrastructure, increasing investments in regenerative medicine, and an expansive patient population.

Major market players included in this report are:

MiMedx Group, Inc.

Smith & Nephew PLC

Integra LifeSciences Holdings Corporation

Organogenesis Holdings Inc.

Applied Biologics, LLC

BioStem Technologies, Inc.

Katena Products, Inc.

NuVision Biotherapies Ltd

Merakris Therapeutics

Lucina BioSciences, LLC

FzioMed Inc.

Genesis Biologics Inc.

Celularity Inc.

The Electrospinning Company

VIVEX Biologics, Inc.

The detailed segments and sub-segment of the market are explained below:

By Product:

Cryopreserved Amniotic Membrane

Lyophilization Amniotic Membrane

By Application:

Ophthalmology

Surgical Wound

By End User:

Ambulatory Surgical Center

Hospital

Research Centers Laboratory

Specialized Clinic

By Region:**North America**

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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