

Amniotic Membrane Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global amniotic membrane market reached a value of US\$ 1,290 Million in 2021. Looking forward, IMARC Group expects the market to reach US\$ 2,220 Million by 2027, exhibiting a CAGR of 9.4% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The amniotic membrane (AM) forms the innermost layer of the placenta that is mainly composed of an epithelial monolayer, acellular intermediate basement, and an outer mesenchymal cell layer. It surrounds the embryo/fetus and delimits the amniotic cavity, which is filled with amniotic liquid and assists in healing wounds and protecting against infection. It has anti-inflammatories, anti-bacterial, anti-viral, immunological, anti-angiogenic, and proapoptotic properties. As it also aids in preventing the delivery of nutrients and oxygen to cancer cells and consequently interferes with tumor angiogenesis, growth, and metastasis, AM finds wide applications in oncology across the globe.

Amniotic Membrane Market Trends:

There is currently a rise in the number of corneal surgeries on account of their ability to reduce pain, restore vision, and improve the appearance of a damaged or diseased cornea. This, along with the increasing geriatric population, represents one of the key factors strengthening the growth of the market. AMs assist in enhancing epithelialization, reinforcing adhesion of basal epithelial cells, maintaining epithelial phenotype, and modulating the proliferation of normal cornea, conjunctival and limbal fibroblast. As they also prevent apoptosis and inhibit scarring, inflammation, and

neovascularization, they are widely employed during corneal transplants around the world. Besides this, AMs are relatively cost-effective compared to xenografts and allografts. Consequently, they find extensive applications in a rising number of cosmetic and reconstructive surgeries worldwide. Furthermore, there is a continuous increase in the funding for research and development (R&D) activities in the field of stem cell and regenerative medicine. This, coupled with a rapid increase in the number of surgeries, is creating a favorable market outlook. Other factors, including growing donations of the placenta and rising demand for tissue-based products for treating surgical wounds, are driving the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global amniotic membrane market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, application and end user.

Breakup by Product:

- Cryopreserved Amniotic Membrane
- Lyophilization Amniotic Membrane

Breakup by Application:

- Surgical Wounds
- Ophthalmology
- Others

Breakup by End User:

- Hospitals
- Ambulatory Surgical Centers
- Specialized Clinics
- Research Centers and Laboratory

Breakup by Region:

- North America
- United States
- Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Amnio Technology LLC, Amniox Medical Inc. (TissueTech Inc.), Genesis Biologics, Human Regenerative Technologies LLC, Integra LifeSciences Holdings Corporation, Katena Products Inc., MiMedx Group, Next Biosciences, Skye Biologics Holdings LLC, Smith & Nephew plc, Surgenex LLC, Ventris Medical LLC, and Wright Medical Group N.V. (Stryker B.V.).

Key Questions Answered in This Report:

How has the global amniotic membrane market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global amniotic membrane market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global amniotic membrane market and who are the key players?

What is the degree of competition in the industry?

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