

Medical Membranes Market Expected to Reach USD 7.10B by 2032 with Rapid Growth Rate Driven by Rising Chronic Diseases

The global medical membranes market size was USD 3.27 Billion in 2022 and is expected to reach USD 7.10 Billion in 2032

NEW YORK , NY, UNITED STATES, June 29, 2023 /EINPresswire.com/ -- The global [Medical Membranes Market](#) had a valuation of USD 3.27 billion in 2022 and is projected to reach USD 7.10

billion by 2032, with a rapid compound annual growth rate (CAGR) of 9% during the forecast period. The market's growth is primarily driven by factors such as the increasing prevalence of chronic diseases, growing demand for membranes in various medical applications, and advancements in membrane technology.



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Medical membranes are thin films with semipermeable properties that find application in several medical procedures, including hemodialysis, tissue engineering, medication administration, and wound healing. These membranes act as a barrier between two environments, selectively allowing the passage of certain materials while impeding the passage of others. The demand for medical membranes is on the rise due to their advantageous features, including biocompatibility, sterilization capabilities, and controlled drug release.

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Segments Covered in the Report

The medical membranes market can be segmented based on various factors, including material outlook, technology outlook, application outlook, and regional outlook.

In terms of material outlook, the market is categorized into three main segments: polymeric, ceramic, and others. Polymeric membranes are widely used in medical applications due to their flexibility, biocompatibility, and ease of manufacturing. Ceramic membranes, on the other hand,

offer superior durability and high-temperature resistance. The "others" category includes other types of materials used in medical membrane production.

Regarding technology outlook, the market is segmented into microfiltration, ultrafiltration, nanofiltration, reverse osmosis, and others. These technologies determine the pore size and filtration capabilities of the membranes. Microfiltration is used for larger particle separation, while ultrafiltration and nanofiltration enable finer separation of molecules. Reverse osmosis is employed for desalination and purification purposes. The "others" category encompasses additional membrane technologies.

The application outlook segment covers various medical applications where membranes play a crucial role. These applications include hemodialysis, drug delivery, IV infusion and sterile filtration, diagnostic devices, and others. Hemodialysis membranes are used for blood purification in patients with kidney failure. Membranes for drug delivery provide controlled release of medications. IV infusion and sterile filtration membranes ensure the safety and purity of intravenous fluids. Membranes in diagnostic devices aid in sample filtration and analysis.

From a regional perspective, the market is analyzed across North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. Within these regions, specific countries are further considered, such as the U.S., Canada, U.K., Germany, France, BENELUX, China, India, Japan, South Korea, Brazil, Saudi Arabia, UAE, and Turkey. These regions and countries represent key markets for medical membranes, influenced by factors such as healthcare infrastructure, technological advancements, and population demographics.

In summary, the medical membranes market can be segmented based on material outlook, technology outlook, application outlook, and regional outlook. These segments help provide a comprehensive understanding of the market landscape and cater to specific requirements and preferences across different regions and applications.

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Strategic development:

In 2021, Asahi Kasei Corporation made an announcement about acquiring Veloxis Pharmaceuticals, a pharmaceutical company based in Denmark. The objective of this acquisition was to enhance Asahi Kasei's presence in the healthcare industry by incorporating Veloxis' drug delivery technologies into its product portfolio.

During 2020, Sartorius AG completed the acquisition of the chromatography process equipment division of Novasep Holding SAS. The purpose of this acquisition was to expand Sartorius' range of bioprocessing products in the pharmaceutical sector.

In 2019, Pall Corporation, a subsidiary of Danaher Corporation, entered into a strategic partnership with ARTeSYN Biosolutions, a manufacturer specializing in single-use solutions for biopharmaceutical manufacturing. The primary goal of this partnership was to combine Pall's filtration and single-use technologies with ARTeSYN's fluid management systems. This collaboration aimed to offer integrated solutions for various bioprocessing applications.

Competitive Landscape:

The competitive landscape in the field of medical membranes includes several key players who contribute to the market's growth and development. Here are some of the prominent companies operating in this sector:

Asahi Kasei Corporation: Asahi Kasei is a leading global manufacturer of medical membranes, offering a wide range of products for various applications. The company focuses on innovation and strategic acquisitions to expand its presence in the healthcare industry.

3M Company: 3M is a renowned multinational conglomerate with a diverse portfolio of products, including medical membranes. The company's expertise in material science and membrane technology enables it to deliver advanced solutions for medical applications.

Pall Corporation: A subsidiary of Danaher Corporation, Pall Corporation is a major player in the medical membranes market. The company specializes in filtration technologies and offers a comprehensive range of membranes for bioprocessing and other medical applications.

EMD Millipore Corporation: EMD Millipore, a subsidiary of Merck KGaA, provides innovative solutions in life sciences, including medical membranes. The company's membrane products are widely used in research, diagnostics, and pharmaceutical production.

Koch Membrane Systems, Inc.: Koch Membrane Systems is a leading provider of membrane technologies for various industries, including healthcare. The company offers a diverse range of medical membranes for applications such as hemodialysis, drug delivery, and wound healing.

DowDuPont Inc.: DowDuPont, a merged entity of Dow Chemical Company and DuPont, offers a wide range of membrane solutions for medical applications. The company's expertise lies in material science and polymer technology, enabling the development of high-performance medical membranes.

Sartorius AG: Sartorius is a prominent supplier of bioprocessing and laboratory equipment, including medical membranes. The company's acquisition strategy and focus on expanding its product offerings have strengthened its position in the market.

Merck KGaA: Merck KGaA is a leading science and technology company that provides innovative solutions for various industries, including healthcare. The company's medical membranes are designed to meet the stringent requirements of medical applications.

GE Healthcare: GE Healthcare offers a broad portfolio of medical technologies, including medical membranes. The company's membranes are utilized in diagnostic devices, drug delivery systems, and other medical applications.

Parker Hannifin Corporation: Parker Hannifin is a global leader in motion and control technologies, offering a range of medical membranes for diverse healthcare applications. The company's membranes are known for their reliability and performance.

These companies compete based on product innovation, quality, pricing, and distribution channels. They continually invest in research and development to stay ahead in this rapidly evolving market. As the demand for medical membranes grows, these key players strive to meet the industry's requirements and provide advanced solutions for healthcare applications.

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In conclusion, the global Medical Membranes Market is highly competitive, with a few major players dominating the market. These companies are actively involved in developing new technologies and products, investing in research and development, and engaging in strategic partnerships and collaborations to maintain their market share and drive revenue growth.

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