

# Medical Membrane Market CAGR to be at 9.1% from 2025 to 2029 | \$5.27 Billion Industry Revenue by 2029

*The Business Research Company's  
Medical Membrane Global Market Report  
2025 – Market Size, Trends, And Forecast  
2025-2034*

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/EINPresswire.com/ -- What Is The  
Projected Market Size & Growth Rate  
Of The [Medical Membrane Market?](#)

In the past few years, there has been significant expansion in the medical membrane market size. The anticipated increase is from \$3.39 billion in 2024 to \$3.71 billion in 2025, marking a compound annual growth rate (CAGR) of 9.5%. The upward trend during the historic period is

largely due to factors such as the growth in hemodialysis procedures, the growing extent of the medical device industry, a surge in chronic kidney disease cases, an escalating number of surgeries, and increased use of membranes in filtration and sterilization processes.

A significant surge is expected in the size of the medical membrane market in the coming years, projected to reach \$5.27 billion by 2029, with a 9.2% Compound Annual Growth Rate (CAGR). This growth in the estimated period is anticipated due to increasing global incidences of renal



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and cardiovascular diseases, the expanding older population, the heightened focus on point-of-care diagnostics, the rising capacity of biopharmaceutical manufacturing, and the growing demand for sophisticated wound care solutions. Key trends in the forecasted time frame will include the progression of membrane-based drug delivery systems, the enhancement of separation techniques for high-grade medical purposes, the rise of individualized membrane solutions, the breakthrough in 3D-printed medical membranes and the creation of temperature-sensitive membrane materials.

Download a free sample of the medical membrane market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=25826&type=smp>

### What Is The Crucial Factor Driving The [Global Medical Membrane Market?](#)

The escalating occurrence of chronic ailments is predicted to bolster the advancement of the medical membrane market in the future. These persistent ailments evolve gradually and usually continue for a year or beyond, and frequently necessitate continuous medical care and management of lifestyle. The number of individuals suffering from chronic ailments is growing due to sedentary lifestyles, leading to issues such as obesity, diabetes, and cardiovascular disease. Medical membranes play a crucial role in managing these conditions by facilitating effective separation, filtering, or regulated drug delivery in treatments like dialysis, respiratory assistance, and implantable devices. For example, the National Library of Medicine, a medical library based in the US, indicated in June 2024 that the count of Americans aged 50 and over dealing with a minimum of one chronic condition is projected to almost double by 2050, reaching an estimated 142.66 million, which represents a significant 99.5% increase. Thus, the surging occurrence of chronic diseases is anticipated to spur the growth of the medical membrane market.

### Who Are The Emerging Players In The Medical Membrane Market?

Major players in the Medical Membrane Global Market Report 2025 include:

- Thermo Fisher Scientific Inc.
- LG Chem Ltd.
- 3M Company
- Mitsubishi Chemical Corporation
- Merck KGaA
- Parker-Hannifin Corporation
- Toray Industries Inc.
- DuPont de Nemours Inc.
- DSM-Firmenich AG
- Nitto Denko Corporation

### What Are The Key Trends Shaping The Medical Membrane Industry?

Key players in the medical membrane market are prioritizing the creation of groundbreaking products, including dehydrated amniotic membranes, to elevate healing efficiency, and increase their durability and clinical use. Dehydrated amniotic membranes, freeze-dried versions of the placenta's innermost layer, bolster wound healing, reduce inflammation, and aid tissue growth. As an example, Precise Bioscience LLC, a healthcare firm in the US, debuted AdvoGraft One and AdvoGraft Membrane Dual, two advanced biologic wound care products designed to facilitate organic healing for severe and prolonged wounds. AdvoGraft One incorporates a single layer of dehydrated amniotic membrane, while AdvoGraft Membrane Dual contains both amniotic and chorionic layers, offering superior structural stability and biological functionality. These membranes serve as innate barricades to support cell migration and tissue renewal, especially for persistent and severe wounds. Both products are engineered to preserve bioactivity after

processing, guaranteeing ideal healing conditions whilst minimizing inflammation and the formation of scar tissue.

### What Segments Are Covered In The Medical Membrane Market Report?

The medical membrane market covered in this report is segmented –

- 1) By Material: Polysulfone (PSU) And Polyether Sulfone (PESU), Polyvinylidene Fluoride (PVDF), Hydrophobic Polyvinylidene Fluoride, Hydrophilic Polyvinylidene Fluoride, Polytetrafluoroethylene (PTFE), Polypropylene (PP), Modified Acrylics, Other Material Type
- 2) By Technology: Ultrafiltration, Microfiltration, Nanofiltration, Reverse Osmosis, Dialysis, Gas Filtration, Other Technology
- 3) By Application: Pharmaceutical Filtration, IV Infusion And Sterile Filtration, Bio-artificial Processes, Drug Delivery, Haemodialysis, Other Applications

### Subsegments:

- 1) By Polysulfone (PSU) And Polyether Sulfone (PESU): Hemodialysis Membranes, Ultrafiltration Membranes, Sterile Filtration Membranes
- 2) By Polyvinylidene Fluoride (PVDF): Microfiltration Membranes, Membranes For Sterile Venting, Virus Removal Membranes
- 3) By Hydrophobic Polyvinylidene Fluoride: Air And Gas Filtration Membranes, Vent Filters For Medical Devices, Protective Barrier Membranes
- 4) By Hydrophilic Polyvinylidene Fluoride: Liquid Filtration Membranes, Dialysis Membranes, Sample Preparation Membranes
- 5) By Polytetrafluoroethylene (PTFE): Surgical Membrane Patches, Implantable Membranes, Filtration For Aggressive Chemicals
- 6) By Polypropylene (PP): Disposable Medical Filter Membranes, Pre-filtration Membranes, Syringe And Capsule Filters
- 7) By Modified Acrylics: Wound Dressing Membranes, Drug Delivery Membranes, Adhesive-coated Medical Films
- 8) By Other Material Type: Cellulose-based Membranes, Nylon Membranes, Polyethersulfone Blends, Silicone Membranes, Polycarbonate Membranes

View the full medical membrane market report:

<https://www.thebusinessresearchcompany.com/report/medical-membrane-global-market-report>

### Which Region Is Projected To Hold The Largest Market Share In The Global Medical Membrane Market?

In the 2025 Medical Membrane Global Market Report, North America is documented as the leading region from 2024, with Asia-Pacific projected to be the fastest-growing region. The comprehensive report includes data for regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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