

Membrane Chromatography Market by Product (Consumable and Accessories), Technique (Ion Exchange Membrane Chromatography, Affinity Membrane Chromatography, and Hydrophobic Interaction Membrane Chromatography), Operation Mode (Flow-through Membrane Chromatography and Bind-elute Membrane Chromatography), End-User (Pharmaceutical and Biopharmaceutical Companies, CROs and Academic and Research Institutes) and Geography – Global Forecast to 2026

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Abstracts

Membrane chromatography is a relatively novel and immature bioseparation technology when compared to traditional chromatography. The technology is based on the incorporation of membrane purification and liquid chromatography within a single-stage operation. The evolution of membrane chemistry has provided the latest membrane devices, high binding ability, and better mass shift of properties, significantly rising bioprocessing efficiency for filtration of biomolecules. The membrane chromatography market is projected to rise with increasing momentum in the forecast period, ascribed to factors such as growing demand for biopharmaceuticals and notable advantages of membrane chromatography compared to conventional chromatography technology. Conversely, the less utilization of membrane chromatography products in the large scale industries is hampering the membrane chromatography market growth. The Membrane Chromatography Market is projected to rise at a CAGR of 15.60% by 2026.

Research Methodology:



The membrane chromatography market has been analyzed by utilizing the optimum combination of secondary sources and in-house methodology, along with an irreplaceable blend of primary insights. The real-time assessment of the market is an integral part of our market sizing and forecasting methodology. Our industry experts and panel of primary participants have helped in compiling relevant aspects with realistic parametric estimations for a comprehensive study. The participation share of different categories of primary participants is given below:

The Membrane Chromatography Market Based on Product

Consumables

Capsules, Cassettes, and Cartridges

Syringe Filters

Filter Plates

Spin Columns

Membrane Discs and Sheets

Other Consumables

Accessories

The Membrane Chromatography Market Based on Technique

Ion Exchange Membrane Chromatography

Anion Exchange Membrane Chromatography

Cation Exchange Membrane Chromatography

Affinity Membrane Chromatography

Hydrophobic Interaction Membrane Chromatography



The Membrane Chromatography Market Based on Operation Mode

Flow-through Membrane Chromatography

Bind-elute Membrane Chromatography

The Membrane Chromatography Market Based on End-User

Pharmaceutical and Biopharmaceutical Companies

CROs

Academic and Research Institutes

The Membrane Chromatography Market Based on Geography

North America

Europe

Asia Pacific

Rest of the World

In terms of product, among the consumables segment the capsules, cassettes, and cartridges registered the largest market share in membrane chromatography. This is due to the extreme usage of capsules and cartridges for filtration applications in manufacturing, lab-scale production, and the development of the procedure.

In the market based on technology, the ion exchange membrane chromatography technique is majorly having the demand in the market. The high demand for this segment is attributed to the significant benefits of ion exchange membrane chromatography such as less cost of consumables and disposables, flexibility, high reliability, accuracy, and speed.



Further, the operation mode is taken into consideration, the market is divided into flow-through and bind-elute membrane chromatography. The flow-through membrane chromatography is the leading sub-segment in the market share due to the immense usage of this operation mode in the process of monoclonal antibody polishing, minimized mass transfer resistance, and avoids the cost associated with the packing.

The end-user segmentation of the membrane chromatography market is segregated among pharmaceutical and biopharmaceutical companies, CROs, and academic and research institutes. The pharmaceutical and biopharmaceutical companies are the major contributor in the end-user segment due to the increasing number of research and development in pharmaceutical and biopharmaceutical companies and also the rising production of biologics.

In accordant with the geographical analysis, North America is considered a significant contributor in the membrane chromatography market share. This is due to the rising demand for biopharmaceuticals, the existence of a well-developed biopharmaceutical industry, and increasing research and development spending by the biopharmaceutical industries.

Moreover, the exclusive advantageous features of the global membrane chromatography process are extremely enhancing market growth. The features such as the high rate of production, fastest processing time, lesser buffer consumption, lower cost, and ease of use. But some factors are limiting the membrane chromatography market growth such as the dearth of skilled professionals.

These are the few competitors of the membrane chromatography market listed in the market report-Danaher Corporation, Thermo Fisher Scientific, Merck Millipore, Asahi Kasei Corporation, Sartorius AG, 3M Company, Restek Corporation, Purilogics, GVS Group, Membrane Solutions LLC, Cole-Parmer Instrument Company, Regis Technologies Inc., and GL Sciences Inc.

Therefore, membrane chromatography is a well-developed process in bioprocessing that is regularly employed for the capture of large particles which include viruses and viral vectors. This report provides qualitative and quantitative analysis which enhances the user experience in the report.

This study provides an analysis of the membrane chromatography market value based on the product, technique, operation mode, end-user, and geography.



This report focuses on the sales volume, value, market share of the major membrane chromatography manufacturers,

This report also presents the market competitive landscape, SWOT analysis, and strategic plans of the players in the coming years.

This report also analyses the membrane chromatography market in terms of growth trends, future estimations, and their contribution to the whole market.

This report also shares the complete information about the major factors influencing the growth of the market such as drivers, opportunities, and restrictions.



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