

Membrane Chromatography Market by Product (Consumables (Syringe Filters, Spin Column), Accessories), Technique (Ion Exchange, Affinity), Operation Mode (Flow Through), End User (Pharmaceutical & Biopharmaceutical Companies, CROs) - Global Forecast to 2025

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Abstracts

“The benefits offered by membrane chromatography over conventional chromatography methods are expected to drive the overall growth of the membrane chromatography market.”

The membrane chromatography market is estimated to grow from USD 198 million in 2020 to USD 408 million by 2025, at a CAGR of 15.5% during the forecast period. The major factors driving the growth of this market are the benefits offered by membrane chromatography over conventional chromatography methods, increasing biopharmaceutical R&D, and increasing regulatory scrutiny on the cleaning validation of downstream purification processes.

“The consumables segment commanded the largest share of the market in 2019.”

On the basis of product, the membrane chromatography market is segmented into consumables and accessories. The capsules, cassettes, and cartridges segment accounted for the largest share of the membrane chromatography consumables market in 2019. The large share of this segment is primarily attributed to the increasing use of capsules and cartridges for purification applications in biomanufacturing, lab-scale production, and process development.

The affinity membrane chromatography segment is expected to register the highest growth in the global membrane adsorbers market during the forecast period.”

On the basis of technique, the membrane adsorbers market is segmented into ion exchange membrane chromatography, affinity membrane chromatography, and hydrophobic interaction membrane chromatography. The affinity membrane chromatography segment is estimated to grow at the highest CAGR during the forecast period. The increasing use of protein A chromatography for antibody purification and immobilized metal affinity membrane chromatography for the purification of proteins are supporting the growth of this segment.

“The pharmaceutical and biopharmaceutical companies segment commanded the largest share of the membrane chromatography market in 2019.”

Based on end user, the membrane chromatography market is segmented into pharmaceutical and biopharmaceutical companies, CROs, and academic and research institutes. In 2019, the pharmaceutical and biopharmaceutical companies segment accounted for the largest market share. The large share of this segment is attributed to the increased R&D in pharmaceutical and biopharmaceutical companies and increased production of biologics.

The bind-elute segment is projected to register the highest growth in the global membrane adsorbers market during the forecast period.”

The bind-elute membrane chromatography segment is estimated to grow at the highest CAGR during the forecast period. The increasing demand for viruses in the production of attenuated vaccines and gene therapy and the development of high-performance bind-elute membrane chromatography solutions (with a higher binding capacity to capture larger targets such as adenovirus and lentivirus and virus-like particles) are the key factors driving the growth of this segment.

“The Asia Pacific market is projected to register the highest growth in the global membrane chromatography market during the forecast period.”

The Asia Pacific market is estimated to grow at the highest CAGR during the forecast period. The growing biopharmaceutical industry, significant investments by key market players, increasing government support, and developing R&D infrastructure are the key factors driving the growth of this segment.

In-depth interviews were conducted with chief executive officers (CEOs), marketing directors, other directors, and executives from various key organizations operating in the membrane chromatography market.

By Respondent Type: Supply Side (70%) and Demand Side (30%)

By Designation: Managers (55%), CXOs (20%), and Executives (25%)

By Region: North America (50%), Europe (20%), APAC (20%), and the RoW (10%)

The membrane chromatography market comprises major players such as Sartorius AG (Germany), Danaher Corporation (US), Merck Millipore (Germany), Thermo Fisher Scientific Inc. (US), and 3M Company (US). The study includes an in-depth competitive analysis of these key players in the membrane chromatography market, along with their company profiles, recent developments, and key market strategies.

Research Coverage:

The market study covers the membrane chromatography market across various segments. It aims at estimating the market size and the growth potential of this market across different segments based on product, technique, end user, and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants in this market and provide information on the closest approximations of the revenue numbers for the overall membrane chromatography market and its subsegments. This report will help stakeholders to understand the competitive landscape, to gain more insights to better position their businesses, and to plan suitable go-to-market strategies. The report will also help stakeholders to understand the pulse of the market and provide information on the key market drivers, restraints, opportunities, and challenges.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
 - 1.2.1 INCLUSIONS & EXCLUSIONS
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS
- 1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.2 PRIMARY DATA
 - 2.1.3 DATA TRIANGULATION
- 2.2 MARKET ESTIMATION METHODOLOGY
- 2.3 MARKET GROWTH RATE PROJECTIONS
- 2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 MEMBRANE CHROMATOGRAPHY MARKET OVERVIEW
- 4.2 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET SHARE, BY PRODUCT & COUNTRY (2019)
- 4.3 MEMBRANE CHROMATOGRAPHY MARKET SHARE, BY END USER, 2019
- 4.4 MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2020 VS. 2025 (USD MILLION)
- 4.5 MEMBRANE CHROMATOGRAPHY MARKET: GEOGRAPHIC GROWTH OPPORTUNITIES

5 MARKET OVERVIEW

Membrane Chromatography Market by Product (Consumables (Syringe Filters, Spin Column), Accessories), Technique...

5.1 INTRODUCTION

5.2 MEMBRANE CHROMATOGRAPHY: MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Benefits offered by membrane chromatography over conventional chromatography techniques

5.2.1.2 Increasing biopharmaceutical R&D

5.2.1.3 Increasing regulatory scrutiny on the cleaning validation of downstream purification processes

5.2.2 RESTRAINTS

5.2.2.1 Limited use of membrane chromatography products in large-scale manufacturing

5.2.3 OPPORTUNITIES

5.2.3.1 Emerging markets

5.2.3.2 Patent expiry

5.2.4 CHALLENGES

5.2.4.1 Lack of skilled professionals

5.2.4.2 Technical limitations associated with membrane chromatography

5.3 PORTER'S FIVE FORCES ANALYSIS

5.3.1 THREAT OF NEW ENTRANTS

5.3.2 THREAT OF SUBSTITUTES

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

5.4 VALUE CHAIN ANALYSIS

5.5 TECHNOLOGY ANALYSIS

5.6 IMPACT OF THE COVID-19 OUTBREAK ON THE MEMBRANE CHROMATOGRAPHY MARKET

6 MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT

6.1 INTRODUCTION

6.2 CONSUMABLES

6.2.1 CAPSULES, CASSETTES, & CARTRIDGES

6.2.1.1 Capsules, cassettes, and cartridges segment to dominate the membrane chromatography consumables market

6.2.2 SYRINGE FILTERS

6.2.2.1 Growing demand for syringe filters in lab-scale purification is driving the growth of this segment

6.2.3 FILTER PLATES

6.2.3.1 Filter plates have a higher flow-through rate that facilitates fast purification

6.2.4 SPIN COLUMNS

6.2.4.1 Spin columns allow convenient processing of multiple small-scale samples

6.2.5 MEMBRANE DISCS & SHEETS

6.2.5.1 Membrane discs & sheets are used as separation tools in a variety of viral and protein purification applications

6.2.6 OTHER CONSUMABLES

6.3 ACCESSORIES

6.3.1 ACCESSORIES ACCOUNT FOR A SMALLER SHARE OF THE MEMBRANE CHROMATOGRAPHY MARKET DUE TO THEIR LOW PURCHASE FREQUENCY AS COMPARED TO CONSUMABLES

7 MEMBRANE ADSORBERS MARKET, BY TECHNIQUE

7.1 INTRODUCTION

7.2 ION EXCHANGE MEMBRANE CHROMATOGRAPHY

7.2.1 ANION EXCHANGE MEMBRANE CHROMATOGRAPHY

7.2.1.1 HIGH REQUIREMENT FOR MABS PURIFICATION HAS RESULTED IN THE INCREASED ADOPTION OF ANION EXCHANGE MEMBRANE CHROMATOGRAPHY

7.2.2 CATION EXCHANGE MEMBRANE CHROMATOGRAPHY

7.2.2.1 INCREASING DEMAND FOR CEX IN VIRUS PURIFICATION TO DRIVE MARKET GROWTH

7.3 AFFINITY MEMBRANE CHROMATOGRAPHY

7.3.1 INCREASING DEMAND FOR THERAPEUTIC PROTEINS IS EXPECTED TO SUPPORT MARKET GROWTH

7.4 HYDROPHOBIC INTERACTION MEMBRANE CHROMATOGRAPHY

7.4.1 HIMC IS USED FOR THE SEPARATION OF BIOMOLECULES

8 MEMBRANE ADSORBERS MARKET, BY OPERATION MODE

8.1 INTRODUCTION

8.2 FLOW-THROUGH MEMBRANE CHROMATOGRAPHY

8.2.1 FLOW-THROUGH MEMBRANE CHROMATOGRAPHY IS WIDELY USED IN THE MONOCLONAL ANTIBODY POLISHING PROCESS

8.3 BIND-ELUTE MEMBRANE CHROMATOGRAPHY

8.3.1 BIND-ELUTE MEMBRANE CHROMATOGRAPHY SEGMENT TO REGISTER HIGH GROWTH RATE DURING THE FORECAST PERIOD

9 MEMBRANE CHROMATOGRAPHY MARKET, BY END USER

9.1 INTRODUCTION

9.2 PHARMACEUTICAL & BIOPHARMACEUTICAL COMPANIES

9.2.1 INCREASED PHARMACEUTICAL R&D SPENDING IS DRIVING THE DEMAND FOR MEMBRANE CHROMATOGRAPHY

9.3 CONTRACT RESEARCH ORGANIZATIONS (CROS)

9.3.1 INCREASING OUTSOURCING OF R&D SERVICES BY PHARMACEUTICAL & BIOPHARMACEUTICAL COMPANIES TO SUPPORT MARKET GROWTH

9.4 ACADEMIC & RESEARCH INSTITUTES

9.4.1 GROWING COLLABORATIONS BETWEEN PHARMACEUTICAL & BIOPHARMACEUTICAL MANUFACTURERS AND RESEARCH INSTITUTES TO DRIVE MARKET GROWTH

10 MEMBRANE CHROMATOGRAPHY MARKET, BY REGION

10.1 INTRODUCTION

10.2 NORTH AMERICA

10.2.1 US

10.2.1.1 The US dominates the North American membrane chromatography market

10.2.2 CANADA

10.2.2.1 Government initiatives and technological advancements in diagnostic techniques to support market growth

10.3 EUROPE

10.3.1 GERMANY

10.3.1.1 Presence of an established pharmaceuticals industry in Germany is driving market growth

10.3.2 UK

10.3.2.1 New drug developments to propel the demand for membrane chromatography in the UK

10.3.3 FRANCE

10.3.3.1 Increasing private and public funding for biotech research to drive market growth in France

10.3.4 ROE

10.4 ASIA PACIFIC

10.4.1 SIGNIFICANT INVESTMENTS BY BIOPHARMACEUTICAL COMPANIES IN EMERGING APAC COUNTRIES TO DRIVE MARKET GROWTH

10.5 REST OF THE WORLD

11 COMPETITIVE LANDSCAPE

11.1 MARKET EVALUATION FRAMEWORK

11.2 REVENUE ANALYSIS OF TOP MARKET PLAYERS

11.3 KEY MARKET DEVELOPMENTS

11.3.1 KEY PRODUCT LAUNCHES

11.3.2 KEY ACQUISITIONS

11.3.3 KEY PARTNERSHIPS, AGREEMENTS, AND COLLABORATIONS

11.3.4 KEY EXPANSIONS

12 COMPANY EVALUATION MATRIX AND COMPANY PROFILES

12.1 OVERVIEW

12.2 GLOBAL MEMBRANE CHROMATOGRAPHY MARKET: COMPANY EVALUATION MATRIX

12.2.1 STARS

12.2.2 EMERGING LEADERS

12.2.3 PERVASIVE

12.2.4 EMERGING COMPANIES

12.3 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, MnM View)*

12.3.1 SARTORIUS AG

12.3.2 DANAHER CORPORATION

12.3.3 MERCK MILLIPORE

12.3.4 THERMO FISHER SCIENTIFIC, INC.

12.3.5 3M COMPANY

12.3.6 ASAHI KASEI CORPORATION

12.3.7 COLE-PARMER INSTRUMENT COMPANY, LLC

12.3.8 RESTEK CORPORATION

12.3.9 PURILOGICS

12.3.10 GVS GROUP

12.3.11 START-UPS/SME COMPANY PROFILES

12.3.11.1 Membrane Solutions, LLC

12.3.11.2 Regis Technologies, Inc.

12.3.11.3 GL Sciences, Inc.

*Business Overview, Products Offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.3 AVAILABLE CUSTOMIZATIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 US: BIOLOGICS GOING OFF-PATENT DURING 2018?2019

TABLE 2 TECHNOLOGY ANALYSIS: COLUMN CHROMATOGRAPHY VS. MEMBRANE CHROMATOGRAPHY

TABLE 3 MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 4 MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018?2025 (USD MILLION)

TABLE 5 MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018?2025 (THOUSAND UNITS)

TABLE 6 MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 7 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 8 EUROPE: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 9 CAPSULES, CASSETTES, & CARTRIDGES MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 10 NORTH AMERICA: CAPSULES, CASSETTES, & CARTRIDGES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 11 EUROPE: CAPSULES, CASSETTES, & CARTRIDGES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 12 SYRINGE FILTERS MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 13 NORTH AMERICA: SYRINGE FILTERS MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 14 EUROPE: SYRINGE FILTERS MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 15 FILTER PLATES MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 16 NORTH AMERICA: FILTER PLATES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 17 EUROPE: FILTER PLATES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 18 SPIN COLUMNS MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 19 NORTH AMERICA: SPIN COLUMNS MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 20 EUROPE: SPIN COLUMNS MARKET, BY COUNTRY, 2018–2025 (USD

MILLION)

TABLE 21 MEMBRANE DISCS & SHEETS MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 22 NORTH AMERICA: MEMBRANE DISCS & SHEETS MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 23 EUROPE: MEMBRANE DISCS & SHEETS MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 24 OTHER CONSUMABLES MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 25 NORTH AMERICA: OTHER CONSUMABLES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 26 EUROPE: OTHER CONSUMABLES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 27 MEMBRANE CHROMATOGRAPHY ACCESSORIES MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 28 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY ACCESSORIES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 29 EUROPE: MEMBRANE CHROMATOGRAPHY ACCESSORIES MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 30 MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 31 ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 32 ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 33 NORTH AMERICA: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 34 EUROPE: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 35 ANION EXCHANGE CHROMATOGRAPHY MEMBRANE: LIGAND FUNCTIONAL GROUPS

TABLE 36 ANION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 37 NORTH AMERICA: ANION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 38 EUROPE: ANION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 39 CATION EXCHANGE CHROMATOGRAPHY MEMBRANE: LIGAND FUNCTIONAL GROUPS

TABLE 40 CATION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 41 NORTH AMERICA: CATION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 42 EUROPE: CATION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 43 AFFINITY MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 44 NORTH AMERICA: AFFINITY MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 45 EUROPE: AFFINITY MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 46 HYDROPHOBIC INTERACTION MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 47 NORTH AMERICA: HYDROPHOBIC INTERACTION MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 48 EUROPE: HYDROPHOBIC INTERACTION MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 49 MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 50 FLOW-THROUGH MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 51 NORTH AMERICA: FLOW-THROUGH MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 52 EUROPE: FLOW-THROUGH MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 53 BIND-ELUTE MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 54 NORTH AMERICA: BIND-ELUTE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 55 EUROPE: BIND-ELUTE MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 56 MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 57 MEMBRANE CHROMATOGRAPHY MARKET FOR PHARMACEUTICAL & BIOPHARMACEUTICAL COMPANIES, BY REGION, 2018–2025 (USD MILLION)

TABLE 58 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET FOR PHARMACEUTICAL & BIOPHARMACEUTICAL COMPANIES, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 59 EUROPE: MEMBRANE CHROMATOGRAPHY MARKET FOR PHARMACEUTICAL & BIOPHARMACEUTICAL COMPANIES, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 60 MEMBRANE CHROMATOGRAPHY MARKET FOR CROS, BY REGION, 2018–2025 (USD MILLION)

TABLE 61 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET FOR CROS, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 62 EUROPE: MEMBRANE CHROMATOGRAPHY MARKET FOR CROS, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 63 MEMBRANE CHROMATOGRAPHY MARKET FOR ACADEMIC & RESEARCH INSTITUTES, BY REGION, 2018–2025 (USD MILLION)

TABLE 64 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET FOR ACADEMIC & RESEARCH INSTITUTES, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 65 EUROPE: MEMBRANE CHROMATOGRAPHY MARKET FOR ACADEMIC & RESEARCH INSTITUTES, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 66 MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2018–2025 (USD MILLION)

TABLE 67 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 68 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 69 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 70 NORTH AMERICA: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 71 NORTH AMERICA: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 72 NORTH AMERICA: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 73 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 74 US: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 75 US: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 76 US: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 77 US: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 78 US: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 79 US: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 80 CANADA: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 81 CANADA: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 82 CANADA: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 83 CANADA: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 84 CANADA: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 85 CANADA: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 86 EUROPE: MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 87 EUROPE: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 88 EUROPE: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 89 EUROPE: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 90 EUROPE: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 91 EUROPE: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 92 EUROPE: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 93 GERMANY: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 94 GERMANY: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 95 GERMANY: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 96 GERMANY: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 97 GERMANY: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE,

2018–2025 (USD MILLION)

TABLE 98 GERMANY: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 99 UK: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 100 UK: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 101 UK: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 102 UK: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 103 UK: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 104 UK: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 105 FRANCE: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 106 FRANCE: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 107 FRANCE: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 108 FRANCE: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 109 FRANCE: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 110 FRANCE: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 111 ROE: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 112 ROE: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 113 ROE: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 114 ROE: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 115 ROE: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 116 ROE: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 117 ASIA PACIFIC: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 118 ASIA PACIFIC: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 119 ASIA PACIFIC: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 120 ASIA PACIFIC: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 121 ASIA PACIFIC: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE, 2018–2025 (USD MILLION)

TABLE 122 ASIA PACIFIC: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2018–2025 (USD MILLION)

TABLE 123 ASIA PACIFIC: MEMBRANE CHROMATOGRAPHY MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 124 CHINA: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 125 CHINA: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 126 INDIA: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 127 INDIA: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 128 JAPAN: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 129 JAPAN: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 130 ROAPAC: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 131 ROAPAC: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 132 ROW: MEMBRANE CHROMATOGRAPHY MARKET, BY PRODUCT, 2018–2025 (USD MILLION)

TABLE 133 ROW: MEMBRANE CHROMATOGRAPHY CONSUMABLES MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 134 ROW: MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2018–2025 (USD MILLION)

TABLE 135 ROW: ION EXCHANGE MEMBRANE CHROMATOGRAPHY MARKET, BY TYPE, 2018–2025 (USD MILLION)

TABLE 136 ROW: MEMBRANE ADSORBERS MARKET, BY OPERATION MODE,

2018–2025 (USD MILLION)

TABLE 137 ROW: MEMBRANE CHROMATOGRAPHY MARKET, BY END USER,

2018–2025 (USD MILLION)

List Of Figures

LIST OF FIGURES

FIGURE 1 MEMBRANE CHROMATOGRAPHY MARKET SIZE IS EXPECTED TO DECLINE DURING 2020?2022, AS COMPARED TO THE PREVIOUS ESTIMATES OF THIS MARKET

FIGURE 2 BREAKDOWN OF PRIMARIES: MEMBRANE CHROMATOGRAPHY MARKET

FIGURE 3 DATA TRIANGULATION METHODOLOGY

FIGURE 4 MARKET SIZE ESTIMATION: APPROACH 1 (REVENUE-BASED ESTIMATION), 2019

FIGURE 5 MARKET SIZE ESTIMATION: APPROACH 2 (MNM REPOSITORY ANALYSIS-BASED ESTIMATION), 2019

FIGURE 6 MEMBRANE CHROMATOGRAPHY MARKET SIZE ESTIMATION, 2019

FIGURE 7 MEMBRANE CHROMATOGRAPHY MARKET: CAGR PROJECTIONS

FIGURE 8 MEMBRANE CHROMATOGRAPHY MARKET SHARE, BY PRODUCT, 2019

FIGURE 9 MEMBRANE ADSORBERS MARKET, BY TECHNIQUE, 2020?2025

FIGURE 10 MEMBRANE ADSORBERS MARKET SHARE, BY OPERATION MODE, 2019

FIGURE 11 MEMBRANE CHROMATOGRAPHY MARKET, BY END USER, 2020 VS. 2025 (USD MILLION)

FIGURE 12 GEOGRAPHICAL SNAPSHOT OF THE MEMBRANE CHROMATOGRAPHY MARKET

FIGURE 13 BENEFITS OFFERED BY MEMBRANE CHROMATOGRAPHY TO SUPPORT MARKET GROWTH

FIGURE 14 CONSUMABLES SEGMENT ACCOUNTED FOR THE LARGEST SHARE OF THE NORTH AMERICAN MEMBRANE CHROMATOGRAPHY MARKET IN 2019

FIGURE 15 PHARMACEUTICAL & BIOPHARMACEUTICAL COMPANIES SEGMENT ACCOUNTED FOR THE LARGEST MARKET SHARE IN 2019

FIGURE 16 FLOW-THROUGH MEMBRANE CHROMATOGRAPHY SEGMENT WILL CONTINUE TO DOMINATE THE MARKET IN 2025

FIGURE 17 ASIA PACIFIC MARKET TO REGISTER THE HIGHEST GROWTH IN THE MEMBRANE CHROMATOGRAPHY MARKET FROM 2020 TO 2025

FIGURE 18 MEMBRANE CHROMATOGRAPHY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

FIGURE 19 GLOBAL R&D INVESTMENTS BY PHARMACEUTICAL & BIOTECHNOLOGY COMPANIES, 2010?2024 (USD BILLION)

FIGURE 20 PORTER'S FIVE FORCES ANALYSIS (2019)

FIGURE 21 VALUE CHAIN ANALYSIS OF MEMBRANE CHROMATOGRAPHY: R&D AND MANUFACTURING PHASES ADD MAXIMUM VALUE

FIGURE 22 MEMBRANE CHROMATOGRAPHY MARKET, BY REGION, 2020 VS. 2025 (USD MILLION)

FIGURE 23 NORTH AMERICA: MEMBRANE CHROMATOGRAPHY MARKET SNAPSHOT

FIGURE 24 ASIA PACIFIC: MEMBRANE CHROMATOGRAPHY MARKET SNAPSHOT

FIGURE 25 MARKET EVALUATION FRAMEWORK

FIGURE 26 MARKET SHARE ANALYSIS: 2019. VS 2020

FIGURE 27 GLOBAL MEMBRANE CHROMATOGRAPHY MARKET (GLOBAL) COMPANY EVALUATION MATRIX, 2020

FIGURE 28 SARTORIUS AG: COMPANY SNAPSHOT (2019)

FIGURE 29 DANAHER CORPORATION: COMPANY SNAPSHOT (2019)

FIGURE 30 MERCK MILLIPORE: COMPANY SNAPSHOT (2019)

FIGURE 31 THERMO FISHER SCIENTIFIC: COMPANY SNAPSHOT (2019)

FIGURE 32 3M COMPANY: COMPANY SNAPSHOT (2019)

FIGURE 33 ASAHI KASEI CORPORATION: COMPANY SNAPSHOT (2019)

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