

Prepacked Chromatography Columns Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 110 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The prepacked chromatography columns market is expected to register a CAGR of 6.9% over the forecast period.

The COVID-19 pandemic had a significant impact on the prepacked chromatography columns market. This can be attributed to various factors, such as increasing demand for prepacked chromatography columns for vaccine manufacturing, increasing R&D activities for biopharmaceuticals, and increasing application in different drug development processes. Furthermore, the key players in the market also benefitted from the surge in chromatography resin demand. For instance, in 2021, Repligen generated about USD 190 million in revenue related to COVID-19 programs, which included revenue from OPUS prepacked chromatography columns for late-stage clinical and commercial processes, including COVID-19 vaccine workflows. Thus, the COVID-19 outbreak significantly impacted the growth of the prepacked chromatography column market.

Increasing demand for process development, affordable purification, and technological advancements in prepacked chromatography columns are among the significant factors driving the growth of the studied market. In the biopharmaceutical industry, prepacked columns are widely employed for process development and biomanufacturing. Prepacked chromatography columns are increasingly being adopted as it takes away the burden of costly and time-consuming packing procedures and associated validation protocols, thereby ensuring consistent production.

Also, increasing innovation and product launches are driving the market's growth. For instance, in September 2022, Tosoh Bioscience GmbH launched the Octave BIO Multi-Column Chromatography (MCC) system. This system works with SkillPak BIO prepacked columns launched in April 2020. This product launch of a new chromatography system augments the demand for its SkillPak Prepacked Columns. This is expected to propel the market growth over the forecast period.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Thus, increasing investment in pharmaceutical research activities and technological advancements in prepacked chromatography columns are poised to accelerate market growth over the forecast period. However, the technical limitations of the column are likely to impede market growth.

Prepacked Chromatography Columns Market Trends

Affinity Segment Expected to Witness Growth

Affinity chromatography is the technique that allows the purification of proteins based on biological functions rather than individual physical or chemical properties. Affinity chromatography is the preferred approach for the primary capture and purification of different proteins, nucleic acids, viral vectors, and exosomes. Increasing demand for therapeutic protein, wide usage of affinity membrane chromatography in the biopharmaceutical industry, and increasing innovation in affinity resins are propelling the segment's growth. For instance, in February 2022, Repligen Corporation launched AVIPure AAV affinity resins which are anticipated to have a significant application in gene therapy manufacturing. The newly launched resin is available in OPUS prepacked columns. Moreover, the growing biotechnological sector is supplementing the demand for prepacked chromatography columns. For instance, according to the data published by Invest India in 2022, the Indian biotech sector grew by 14% and crossed USD 80.1 billion in 2022.

Furthermore, new product launches and strategic activities by major players in the market are positively affecting the growth of the studied market. For instance, in February 2021, Repligen and Navigo Proteins launched an affinity resin, also available in off-the-shelf, prepacked, and pre-qualified OPUS Columns configuration, for the purification of COVID-19 vaccines. This significantly strengthened its product portfolio. Thus, due to product launches and technological advancements, the studied segment is expected to grow considerably over the forecast period.

North America Expected to Dominate the Market

North America is expected to dominate the market owing to factors such as high R&D spending, well-established research organizations, and the easy availability of prepacked chromatography columns. According to the Pharmaceutical Research and Manufacturers of America, PhRMA member companies' R&D investments reached a record high of USD 102.3 billion in 2021. In addition, the presence of a high number of pharmaceutical and biopharmaceutical companies in the United States is among the key factors contributing to the growth of the studied market in North America.

A high number of partnerships and collaborations and a high concentration of market players in the United States are some of the factors driving the growth of the prepacked chromatography columns market. In March 2020, Astrea Bioseparations came into agreement with Thermo Fisher Scientific for prepacked bioseparation columns. This non-exclusive supply agreement with Thermo Fisher Scientific to manufacture pre-packed EvolveD columns that will include CaptureSelect and POROS chromatography resins of Thermo Fisher Scientific. This collaboration is anticipated to significantly enhance their product offering. Such continuous developments in the region are anticipated to drive the growth of the studied market in the North America region.

Prepacked Chromatography Columns Market Competitor Analysis

The prepacked chromatography columns market is slightly fragmented in nature due to the presence of several companies operating globally as well as regionally. The competitive landscape includes an analysis of a few global companies which hold significant market share in the industry, including Danaher Corporation (Cytiva), Repligen Corporation, Merck KGaA, Thermo Fisher Scientific Inc., Sartorius AG, Bio-Rad Laboratories Inc., Proxycys BV, YMC Europe GmbH, Tosoh Corporation, Astrea Bioseparations, among others.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

Table of Contents:

1 INTRODUCTION

1.1 Study Assumptions & Market Definition

1.2 Scope Of The Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

4.1 Market Overview

4.2 Market Drivers

4.2.1 Increasing Demand for Process Development and Affordable Purification

4.2.2 Technological Advancements in Prepacked Chromatography Columns

4.3 Market Restraints

4.3.1 Technical Limitations of the Column

4.4 Industry Attractiveness - Porter's Five Forces Analysis

4.4.1 Threat of New Entrants

4.4.2 Bargaining Power of Buyers

4.4.3 Bargaining Power of Suppliers

4.4.4 Threat of Substitute Products

4.4.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION (Market Size by Value - USD million)

5.1 By Resin Type

5.1.1 Affinity

5.1.2 Ion Exchange

5.1.3 Other Resin Types

5.2 By Volume Type

5.2.1 Below 10 ml

5.2.2 10-1000 ml

5.2.3 Above 1000 ml

5.3 By End-user

5.3.1 Pharmaceutical and Biopharmaceutical Industry

5.3.2 Academic Research

5.3.3 Other End-users

5.4 By Geography

5.4.1 North America

5.4.1.1 United States

5.4.1.2 Canada

5.4.1.3 Mexico

5.4.2 Europe

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.4.2.1 Germany
- 5.4.2.2 United Kingdom
- 5.4.2.3 France
- 5.4.2.4 Italy
- 5.4.2.5 Spain
- 5.4.2.6 Rest of the Europe
- 5.4.3 Asia-Pacific
 - 5.4.3.1 China
 - 5.4.3.2 Japan
 - 5.4.3.3 India
 - 5.4.3.4 Australia
 - 5.4.3.5 South Korea
 - 5.4.3.6 Rest of the Asia-Pacific
- 5.4.4 Middle East
 - 5.4.4.1 GCC
 - 5.4.4.2 South Africa
 - 5.4.4.3 Rest of Middle East
- 5.4.5 South America
 - 5.4.5.1 Brazil
 - 5.4.5.2 Argentina
 - 5.4.5.3 Rest of the South America

6 COMPETITIVE LANDSCAPE

- 6.1 Company Profiles
 - 6.1.1 Danaher Corporation (Cytiva)
 - 6.1.2 Repligen Corporation
 - 6.1.3 Merck KGaA
 - 6.1.4 Thermo Fisher Scientific Inc.
 - 6.1.5 Sartorius AG
 - 6.1.6 Bio-Rad Laboratories Inc.
 - 6.1.7 Proxcys BV
 - 6.1.8 YMC Europe GmbH
 - 6.1.9 Tosoh Corporation
 - 6.1.10 Astrea Bioseparations

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Prepacked Chromatography Columns Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 110 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-25"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

