

Global Chromatography in Biomanufacturing Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Chromatography in Biomanufacturing market size is predicted to grow from US\$ 7816 million in 2025 to US\$ 12179 million in 2032; it is expected to grow at a CAGR of 6.9% from 2026 to 2032.

In biomanufacturing, chromatography systems refer to a class of downstream processing equipment designed to separate and purify target compounds from complex biological mixtures based on differential interactions between components and stationary and mobile phases. Fundamentally, these systems exploit variations in molecular properties—such as affinity, charge, hydrophobicity, or size—to enable selective mass transfer and partitioning, thereby isolating target biomolecules including proteins, monoclonal antibodies, vaccine components, nucleic acids, and high-value metabolites from fermentation broths or cell culture media. A typical chromatography system consists of columns, chromatographic media (resins), fluid handling modules (pumps and valves), detection units, and integrated automation platforms, forming a critical process unit that directly determines product purity, yield, and batch-to-batch consistency.

In terms of application scenarios, chromatography systems are extensively deployed across downstream purification workflows in biopharmaceutical manufacturing, synthetic biology, and advanced biomaterials production. In monoclonal antibody, recombinant protein, and vaccine manufacturing, chromatography is typically implemented in multiple stages—including capture, intermediate purification, and polishing—through combinations of different chromatographic modes such as affinity chromatography, ion exchange chromatography, hydrophobic interaction chromatography, and size exclusion chromatography. These processes enable the stepwise removal of impurities, including host cell proteins, DNA, and viral

contaminants. At the industrial scale, chromatography systems are tightly integrated with ultrafiltration/diafiltration, viral inactivation, and buffer exchange operations, forming a core infrastructure for achieving scalable and GMP-compliant production. Additionally, in the biomanufacturing of small-molecule fermentation products, high-value natural compounds, and specialty chemicals, chromatography systems serve as critical refinement tools, particularly in cases where conventional separation techniques lack sufficient selectivity for complex mixtures.

United States market for Chromatography in Biomanufacturing is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Chromatography in Biomanufacturing is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Chromatography in Biomanufacturing is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Chromatography in Biomanufacturing players cover TOFFLON, TruKing Technology, LISURE, Danaher Group, Sartorius AG, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the 'Chromatography in Biomanufacturing Industry Forecast' looks at past sales and reviews total world Chromatography in Biomanufacturing sales in 2025, providing a comprehensive analysis by region and market sector of projected Chromatography in Biomanufacturing sales for 2026 through 2032. With Chromatography in Biomanufacturing sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Chromatography in Biomanufacturing industry.

This Insight Report provides a comprehensive analysis of the global Chromatography in Biomanufacturing landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Chromatography in Biomanufacturing portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Chromatography in Biomanufacturing market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Chromatography in Biomanufacturing and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Chromatography in Biomanufacturing.

This report presents a comprehensive overview, market shares, and growth opportunities of Chromatography in Biomanufacturing market by product type, application, key players and key regions and countries.

Segmentation by Type:

30-200 L

200-500 L

500-2000 L

?2000 L

Segmentation by Use Frequency:

Single-use Chromatography Equipment

Non-Single-use Chromatography Equipment

Segmentation by Molecule Type:

Small Molecule Chromatography Equipment

Macromolecule Chromatography Equipment

Segmentation by Application:

Laboratory Stage

Pilot-scale Stage

Large-scale Production Stage

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

TOFFLON

TruKing Technology

LISURE

Danaher Group

Sartorius AG

AUSTAR Group

Hanbon

YMC CO., LTD.

CXTH

HYTEC

JYSS BIO

RJBIO

Merck KGaA

Asahi Kasei Bioprocess

H&E Co., Ltd

Shimadzu

Agilent

Waters Biosciences

Thermo Fisher Scientific Inc

Tosoh

Smart-Lifesciences

Bio-Rad Laboratories

BIO-LINK

BUCHI

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