

# Global Chromatography Resin Market Outlook to 2027

<https://marketpublishers.com/r/G4891A72BAB0EN.html>

Date: January 2022

Pages: 152

Price: US\$ 4,490.00 (Single User License)

ID: G4891A72BAB0EN

## Abstracts

Chromatography Resin is a polymer used in the purification and separation of proteins and other bio-molecules using stationary phase. According to BlueQuark Research & Consulting, the Global Chromatography Resin market is expected to witness a significant growth rate during the forecasted period. Factors like the increasing use of Chromatography Resin in the Pharmaceutical Industry in biotechnology, drug discovery, and diagnostics are expected to drive the Global Chromatography Resin Market. Further, due to the excellent selectivity and high processing precision of chromatography resins, they are used in the food and beverage industry to provide an effective and safe path for improving the quality of food ingredients is projected to drive the Chromatography Resin market. Furthermore, due to the property of separation and conductometric detection of inorganic anions and cations, they are used in industrial applications such as wastewater treatment to produce deionized water by removing unwanted ions is expected to drive the global chromatography resin market. Moreover, the use of chromatography resin as an analytical and separation technique in the processing of petrochemicals is driving the global chromatography resin market growth. However, factors like some drawbacks of chromatography resin such as stringent government regulations, volatile cost of raw materials, difficulty in procuring raw materials, and fluctuating raw material prices are expected to hinder future market growth.

Chromatography Resin is used in the various application such as separation of chemicals and biomolecules, protein purification for drug delivery, manufacturing and development of drugs, separation, and purification of isomers, manufacturing of biosimilar antibodies, food processing, wastewater treatment and environmental analysis, sugar production, and softening of industrial water.

The Pharmaceutical industry is the prime consumer of Chromatography Resin and is projected to drive the global Chromatography Resin market. The demand for

Chromatography Resin is extensively rising in pharmaceutical products to ensure the highest quality and least risk to patients is bound to grow the global market. Further, chromatography resin acts as an analytical tool for demonstrating the components of a drug's formation and quantifying any impurities in a product by performing for separation and purification of biomolecules such as proteins. Furthermore, with the increase in massive demand for monoclonal antibodies for the treatment in oncology and for other therapeutic treatments such as rheumatoid arthritis, infectious disorders type-1 and type-2 diabetes, the requirement of chromatography resin for the bio-separation techniques used in the purification of biosimilar recombinant monoclonal antibodies is expected to drive the global market. According to the Robert Koch Institut, the mortality rate due to non-communicable diseases(NCD) is 80%, and according to the world health organization, around 41 million people each year, equivalent to 71% of all deaths globally, are died by NCDs. Due to which the demand for drug discovery and delivery has been increased, leading to the high demand for chromatography resin. Therefore, all these factors have increased the need for efficient components, driving the Global Chromatography Resin Market.

Some of the market's key players are Agilent Technologies, Avantor, Inc., Bio-Rad Laboratories, Inc., Dupont, General Electric, Merck KGaA, among others.

The North American region is poised to be the leader in the production and the subsequent consumption of Chromatography Resin, with most of the consumption in countries like the U.S. and Canada. With the rising aging population, government spending on pharmaceutical Research and Development, advancements in technologies, rise in focus towards healthcare needs of emerging countries, and increasing rate of chronic diseases, the demand for chromatography resin used in biotechnology, drug discovery, and drug production is fueling the direction of the global Chromatography Resin market. Further, with the increase in leading manufacturers in the food and beverage industry such as PepsiCo., Tyson Foods, and nestle following the regulations of the FDA in the region, which requires chromatography resin to ensure the safety and quality of foods is estimated to drive the global market in the area. Furthermore, with the region's tremendously growing development and industrialization, the demand for wastewater treatment requiring chromatography resin is expected to drive the market growth. Factors like these have made North America a lucrative part of the growth in the Chromatography Resin market.

In March 2021, Navigo Proteins and Eleva Announce Successful Development of an Affinity Chromatography Resin Customized for the Efficient Purification of Human Complement-Factor.

In July 2021, Cytiva's and Pall's are investing \$600+ million in chromatography resins and establishing a new manufacturing site in the United States.

Global Chromatography Resin Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Chromatography Resin market by segmenting based on the Resin Type (Natural, Synthetic, Inorganic, Others), Technique (Ion-exchange, size exclusion, Hydrophobic interaction, affinity, Others), Application (pharmaceuticals, drug discovery, food and beverage, water treatment, petrochemicals, others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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