

Chiral Chromatography Column Market by Technology (GC, LC, TLC, Flash Chromatography), type (Empty, Prepacked, Analytical, Preparative), Material (Metal, Glass, Plastic), Enduser (Hospital, Food, Pharma-Biotech, Environmental) - Global Forecast to 2025

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Abstracts

The chiral chromatography column market size is projected to reach USD 123 million by 2025 from an estimated USD 99 million in 2020, at a CAGR of 4.5% during the forecast period. Increasing R&D investments in the pharmaceutical and biotechnology industry is creating demand opportunities for the chiral chromatography column industry.

Also, increasing importance of chromatography tests for drug approvals is driving the chiral chromatography column market globally. However, lack of skilled professionals and high instrumentation cost hinder the growth of chiral chromatography columns.

“The pharmaceutical & biotechnology companies segment, by the end user, is expected to be the largest and the fastest-growing market from 2020 to 2025.”

Pharmaceutical & biotechnology companies account for the largest share in the chiral chromatography column market in 2019. The adoption of analytical instrumentation during various stages of biopharmaceutical and pharmaceutical drug discovery, drug research and development, pharmacokinetics, toxicology, and clinical studies drive the growth of the market in the industrial sector.

Increasing R&D for therapeutic areas, such as cancer, HIV/AIDS, and immunodeficiency disorders, technological innovations in biotechnology research,

increasing focus of pharmaceutical and biotechnology companies on extending their product pipeline, rising number of drug discovery and clinical trial projects, and patent expiry of blockbuster drugs and biomolecules are some of the key factors driving the growth of this segment during the forecast period.

“The liquid chromatography segment, by technology, is expected to be the fastest-growing market from 2020 to 2025.”

Increasing demand for quick and efficient separation of chemical compounds, drives the liquid chromatography column market growth. Liquid chromatography (LC), the first form of chromatography to be introduced, is the most widely used form due to its flexibility and functionality. LC is used for the separation of macromolecules and ionic species of biomedical interest, labile natural products, and a wide variety of high-molecular-weight and less stable compounds such as proteins, polysaccharides, synthetic polymers, nucleic acids, plant pigments, and surfactants.

“North America: The fastest growing region in the chiral chromatography column industry.”

North America has a diverse and well-established R&D infrastructure, with the rapid adoption of chromatography techniques among end-user industries. North America accounted for the largest market share in the chiral chromatography columns market in 2019. A number of factors, such as increasing drug development activities, the availability of government funding for life science R&D, high adoption of technologically advanced solutions, and a large number of ongoing clinical research studies are driving the growth of the North American chiral chromatography columns market globally.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 60%, Tier 2- 25%, and Tier 3- 15%

By Designation: C-Level- 10%, Director Level- 14%, and Others- 76%

By Region:North America- 40%, Europe- 32%, Asia Pacific - 20%, Lain America -5%,Middle East & Africa – 3%

*Others include sales managers, engineers, and regional managers.

Note: Tier 1 Company—Revenue > USD 5 billion, Tier 2 Company—Revenue between USD 1 and USD 5 billion, and Tier 3 Company—Revenue

The chiral chromatography columnmarket is dominated by a few major players that have an extensive country presence such as Agilent Technologies (US), Thermo Fisher Scientific(US), Waters Corporation(US), Daicel Corporation (Japan), Bio-Rad Laboratories(US), W.R.Grace& Co. (US), Merk Group(Germany), GL Sciencies(Japan), Perkin Elmer (US), Shimadzu Corporation (Japan), Sartorius Group (Germany), Cytiva(US), ES Industruies (US), and Phenomenex (US).

Research Coverage:

The report defines, describes, and forecasts the chiral chromatography column market, by product, material, end user, technology,and region. It also offers a detailed qualitative and quantitative analysis of the market. The report provides a comprehensive review of the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market, which include the analysis of the competitive landscape, market dynamics, market estimates in terms of value and volume, and future trends in the chiral chromatography column market.

Why Buy this Report?

1. The report identifies and addresses the key markets for the, which would help equipment manufacturers and service providers review the growth in demand.
2. The report helps system providers understand the pulse of the market and provides insights into drivers, restraints, opportunities, and challenges.
3. The report will help key players understand the strategies of their competitors better and help them in making better strategic decisions.

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

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About

This report covers the definition, description, and forecast of the global chiral chromatography columns market. It involves a detailed analysis of the market segmentation, which comprises material types, technologies, applications, and end-users. The report also provides the strategic analysis of the key players in this market.

In terms of geography, the report is segmented into North America, Europe, Asia, and Rest of the World (RoW).

The global chiral chromatography columns market is in its growing phase due to factors such as technological advancements in chromatography instruments, rising investments by different governments in chromatography technologies, increased spending by life sciences companies in R&D, and rise in the importance of chromatography tests in drug approvals. The gradual shift to green chemistry by various companies are also pulling the demand for chromatography instruments, thus helping the growth of the chiral chromatography columns market, globally.

The global chiral chromatography columns market reached a value of \$XX million in 2013, and the market is expected to reach a value of \$XX million by 2018, at a CAGR of XX%, from 2013 to 2018.

Among product types, the pre-packed columns segment dominates the market, and is estimated to reach a value of \$XX million by 2018. Among materials of column, metal leads the chiral chromatography columns market. This segment is expected to reach a value of \$XX million by 2018. Among applications, the liquid chromatography systems segment dominates the market, and is expected to reach a value of \$XX million by 2018. The pharmaceuticals segment tops the end-users market, estimated to reach \$XX million by 2018.

The key players in the global chiral chromatography columns market are Agilent Technologies (U.S.), Thermo Fisher Scientific Inc.,(U.S.), Waters Corporation (U.S.), GE Healthcare (U.K.), Phenomenex, Inc. (U.S.), Sigma-Aldrich Corporation, and Shimadzu Corporation. Agilent Technologies is the top player in this market, expected to reach a value of \$XX million by 2018, at a CAGR of around XX%, during the forecast period.

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