

Global Chiral Chromatography Columns Market Size study & Forecast, by Type (Prepacked Column and Empty Column), Application (Gas Chromatography (GC), Liquid Chromatography (LC), Thin-layer chromatography (TLC), and Supercritical Fluid Chromatography (SFC)), End User (Pharmaceutical and Biotechnology Companies, Hospital/Clinics, Food and Beverage Industry, and Other End Users) and Regional Analysis, 2023-2030

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Abstracts

Global Chiral Chromatography Columns Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than 6.3% over the forecast period 2023-2030. A type of column chromatography called chiral chromatography uses a single enantiomer of a chiral chemical as the stationary process rather than an achiral one. A high-performance liquid chromatography separation method for isomer separation is chiral chromatography. In the stationary process, it is a single enantiomer of a chiral molecule as opposed to being achiral. A chiral substance enantiomer can be found in the stationary phase of chiral column chromatography. In this chromatography, silica gel, achiral support, and chiral chemical make form the chiral stationary phase. The market is driven by key factors such as rising application of chiral chromatography columns in the biotechnology and pharmaceutical sectors and growing R&D and clinical trials worldwide.

Clinical trials, major financial expenditures, and an increase in R&D efforts have all been made in the pursuit of developing innovative drugs with significant medical advantages. An article from 2021 claims that from 2009 to 2018, the FDA approved 355



innovative medications and biologics as a consequence of the pharmaceutical industry's expanding research and development efforts. Additionally, according to SEC government records, the R&D expenses for 63 of these medications were anticipated to be between USD 985 million and USD 1,336 million. With the approval of 59 innovative medicines, the Congressional Budget Office of the United States Congress reported that new approvals surged by over 60% in 2018. This explains the predicted rise in R&D activity in the pharmaceutical and biotechnology industries and is expected to boost the global market. Moreover, growth opportunities in emerging countries enhance market opportunities. However, the high cost of chromatography equipment stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Chiral Chromatography Columns Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. The chiral chromatography columns market is anticipated to be dominated by North America during the forecast period. It holds the highest market share for chromatography as a result of rising public spending and research support. In the market for chiral chromatography columns, the Asia-Pacific region is anticipated to develop at the fastest rate. The expansion of contract research organizations (CROs) and the rising demand for chiral separation techniques in a variety of applications, including drug development, food analysis, and environmental testing, are all contributing factors to the growth of this market.

Major market player included in this report are:

Sykam GmbH (Germany)

Merck KGaA

Shimadzu Corporation

Daicel Corporation

Thermo Fisher Scientific Inc.

Agilent Technologies

Waters Corporation

Bio-Rad Laboratories Inc.

Danaher Corporation (Phenomenex Inc.)

General Electric Company (GE Healthcare)

Recent Developments in the Market:

In September 2022, Tosoh Bioscience, a producer of chromatographic solutions for the division and purification of biomolecules, will release the Octave BIO Multi-Column Chromatography (MCC) system. Customers may quickly and efficiently create preclinical operations by utilising the system and the pre-packed SkillPak BIO columns.



Global Chiral Chromatography Columns Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape,

Growth factors, and Trends

Segments Covered - Type, Application, End user, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type: Prepacked Column Empty Column

By Application:
Gas Chromatography (GC)
Liquid Chromatography (LC)
Thin-layer chromatography (TLC)
Supercritical Fluid Chromatography (SFC)

By End User:

Pharmaceutical and Biotechnology Companies Hospital/Clinics Food and beverage Industry Other End Users



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North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa



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