

# **Chromatography Consumables and Chromatography Instrumentation Market: Distribution by Type of Product (Instruments, Consumables and Other Accessories), Type of Chromatography Instruments (Liquid Chromatography, Gas Chromatography, and Other Systems), Type of Consumable Formats (Prepacked Columns, Bottles / Bulk Resins and Other Formats), End Users (Pharmaceutical / Biotechnology Industries, Academic / Research Institutes and Other Industries) and Key Geographical Regions (North America, Europe, Asia-Pacific, and Rest of the World): Industry Trends and Global Forecasts, 2023-2035**

<https://marketpublishers.com/r/C8EB3D7956D9EN.html>

Date: August 2023

Pages: 215

Price: US\$ 4,799.00 (Single User License)

ID: C8EB3D7956D9EN

## **Abstracts**

The global chromatography market size global chromatography market size, including chromatography instrumentation market (liquid chromatography system market, gas chromatography market, gel permeation chromatography market and others) and chromatography consumables is expected to reach USD 10.5 billion in 2023 anticipated to grow at a CAGR of 5.5% during the forecast period 2023-2035.

Chromatography stands as a pivotal analytical method utilized for separating, identifying, and refining compound mixtures. It operates by dispersing individual analytes between a mobile phase (liquid or gas) and a stationary phase (solid or liquid). This technique holds broad utility across industries such as pharmaceuticals, biotechnology, chemicals, environmental sciences, food production, petrochemicals,

and more. In the pharmaceutical realm, there has been a significant rise in demand for chromatography systems and instrumentation. Liquid chromatography systems, gas chromatography systems, gel permeation chromatography, and supercritical fluid chromatography, along with consumables like chromatography resins and packed columns, play crucial roles in analyzing complex samples. These tools are integral to large-scale research efforts, precision medicine, virus research, and vaccine development.

The COVID-19 pandemic notably accelerated the global market for chromatography instrumentation and consumables. This surge is directly linked to the widespread adoption of chromatography techniques in drug development and diagnostics. Driven by the increasing use of chromatography methods in drug discovery across various applications, the market for chromatography instrumentation and consumables is expected to experience significant growth in the forecast period.

## Report Coverage

The report examines the market for chromatography consumables and instrumentation, focusing on product types, chromatography instrument variations, consumable formats, end-user categories, and primary geographical regions.

An analysis is conducted on the factors—drivers, restraints, opportunities, and challenges—that impact market growth.

The report evaluates potential advantages and barriers within the market, offering insights into the competitive landscape for leading market players.

Market segment revenues are forecasted across four major regions.

Detailed methodology, encompassing assumptions, methodologies, and quality control measures, is outlined to ensure the accuracy and reliability of findings.

The report analyzes historical trends and economic factors like currency fluctuations, foreign exchange impacts, recessions, and inflation, gauging their influence on the chromatography market.

It summarizes key findings from the research, providing an overview of the short to long-term expected evolution of the chromatography market.

It elaborates on the principles, types, and applications of chromatography across diverse industries, emphasizing emerging growth areas anticipated in the near future.

Information on approximately 75 companies in this market segment is presented, analyzing factors such as establishment year, company size, offered chromatography systems, mobile phases used, consumables provided, scale of operation, and industries served.

Comparison of chromatography instrumentation/system providers in North America, Europe, and Asia-Pacific is conducted based on supplier strength, company competitiveness, system/instrument types, consumables offered, and end users.

Detailed insights on over 80 companies in this market segment are provided, analyzing parameters like establishment year, separation techniques offered, solid phase types, consumable formats, analyte separation types, and application areas.

Detailed company profiles in North America, Europe, and Asia-Pacific are presented, covering their overview, product portfolio (instrumentation and consumables), financial data (if available), recent developments, and future outlook.

A comprehensive examination of filed/granted patents is conducted, including details on patent types, publication years, geographical locations, players involved, intellectual property portfolios, patent benchmarking, and valuation analysis.

A detailed study of mergers and acquisitions in the chromatography sector is presented, highlighting trends, deal types, geographical aspects, company sizes, key value drivers, and acquisition deal multiples based on revenues.

## Key Market Companies

Agilent Technologies

Bio-Rad Laboratories

PerkinElmer

Sartorius

Shimadzu

Thermo Fisher Scientific

## Contents

### 1. PREFACE

- 1.1. Introduction
- 1.2. Project Objectives
- 1.3. Scope of the Report
- 1.4. Inclusions and Exclusions
- 1.5. Key Questions Answered
- 1.6. Chapter Outlines

### 2. RESEARCH METHODOLOGY

- 2.1. Chapter Overview
- 2.2. Research Assumptions
- 2.3. Project Methodology
- 2.4. Forecast Methodology
- 2.5. Robust Quality Control
- 2.6. Key Market Segmentations
- 2.7. Key Considerations
  - 2.7.1. Demographics
  - 2.7.2. Economic Factors
  - 2.7.3. Government Regulations
  - 2.7.4. Supply Chain
  - 2.7.5. COVID Impact / Related Factors
  - 2.7.6. Market Access
  - 2.7.7. Healthcare Policies
  - 2.7.8. Industry Consolidation

### 3. ECONOMIC AND OTHER PROJECT SPECIFIC CONSIDERATIONS

- 3.1. Chapter Overview
- 3.2. Market Dynamics
  - 3.2.1. Time Period
    - 3.2.1.1. Historical Trends
    - 3.2.1.2. Current and Future Estimates
  - 3.2.2. Currency Coverage
    - 3.2.2.1. Overview of Major Currencies Affecting the Market
    - 3.2.2.2. Impact of Currency Fluctuations on the Industry

### 3.2.3. Foreign Exchange Impact

#### 3.2.3.1. Evaluation of Foreign Exchange Rates and Their Impact on Market

#### 3.2.3.2. Strategies for Mitigating Foreign Exchange Risk

### 3.2.4. Recession

#### 3.2.4.1. Historical Analysis of Past Recessions and Lessons Learnt

#### 3.2.4.2. Assessment of Current Economic Conditions and Potential Impact on the Market

### 3.2.5. Inflation

#### 3.2.5.1. Measurement and Analysis of Inflationary Pressures in the Economy

#### 3.2.5.2. Potential Impact of Inflation on the Market Evolution

## 4. EXECUTIVE SUMMARY

## 5. INTRODUCTION

### 5.1. Chapter Overview

### 5.2. Overview of Chromatography

### 5.3. Principle of Chromatography

### 5.4. Types of Chromatography

### 5.5. Applications of Chromatography

### 5.6. Future Perspectives

### 5.7. Concluding Remarks

## 6. CHROMATOGRAPHY INSTRUMENTS PROVIDERS MARKET LANDSCAPE

### 6.1. Chapter Overview

### 6.2. Chromatography Instrument Providers: Overall Market Landscape

#### 6.2.1. Analysis by Year of Establishment

#### 6.2.2. Analysis by Company Size

#### 6.2.3. Analysis by Location of Headquarters

#### 6.2.4. Analysis by Company Size and Location of Headquarters

#### 6.2.5. Analysis by Chromatography Instrument Offered

#### 6.2.6. Analysis by Type of Mobile Phase Used

#### 6.2.7. Analysis by Type of Chromatography Consumables Offered

#### 6.2.8. Analysis by Scale of Operation

#### 6.2.9. Analysis by Type of Industry Served

## 7. CHROMATOGRAPHY INSTRUMENTS PROVIDERS: COMPANY COMPETITIVENESS ANALYSIS

- 7.1. Chapter Overview
- 7.2. Assumptions and Key Parameters
- 7.3. Methodology
- 7.4. Chromatography Instrument Providers: Company Competitiveness Analysis
  - 7.4.1. Small Companies Providing Chromatography Instruments
  - 7.4.2. Mid-sized Companies Providing Chromatography Instruments
  - 7.4.3. Large Companies Providing Chromatography Instruments
  - 7.4.4. Very Large Companies Providing Chromatography Instruments

## **8. CHROMATOGRAPHY CONSUMABLES PROVIDERS MARKET LANDSCAPE**

- 8.1. Chapter Overview
- 8.2. Chromatography Consumables Providers: Overall Market Landscape
  - 8.2.1. Analysis by Year of Establishment
  - 8.2.2. Analysis by Company Size
  - 8.2.3. Analysis by Location of Headquarters
  - 8.2.4. Analysis by Company Size and Location of Headquarters
  - 8.2.5. Analysis by Type of Separation Technique Used
  - 8.2.6. Analysis by Type of Solid Phase Offered
  - 8.2.7. Analysis by Type of Consumable Format Offered
  - 8.2.8. Analysis by Type of Analyte
  - 8.2.9. Analysis by Application Area of Chromatography Consumables

## **9. COMPANY PROFILES**

- 9.1. Chapter Overview
- 9.2. Agilent Technologies
  - 9.2.1. Company Overview
  - 9.2.2. Chromatography Product Portfolio
  - 9.2.3. Recent Developments and Future Outlook
- 9.3. Bio-Rad Laboratories
  - 9.3.1. Company Overview
  - 9.3.2. Chromatography Product Portfolio
  - 9.3.3. Recent Developments and Future Outlook
- 9.4. PerkinElmer
  - 9.4.1. Company Overview
  - 9.4.2. Chromatography Product Portfolio
  - 9.4.3. Recent Developments and Future Outlook

## 9.5. Sartorius

9.5.1. Company Overview

9.5.2. Chromatography Product Portfolio

9.5.3. Recent Developments and Future Outlook

## 9.6. Shimadzu

9.6.1. Company Overview

9.6.2. Chromatography Product Portfolio

9.6.3. Recent Developments and Future Outlook

## 9.7. Thermo Fisher Scientific

9.7.1. Company Overview

9.7.2. Chromatography Product Portfolio

9.7.3. Recent Developments and Future Outlook

## **10. PATENT ANALYSIS**

10.1. Chapter Overview

10.2. Scope and Methodology

10.3. Chromatography Instruments and Consumables: Patent Analysis

10.3.1. Analysis by Patent Publication Year

10.3.2. Analysis by Patent Application Year

10.3.3. Analysis of Granted Patents and Patent Applications by Publication Year

10.3.4. Analysis by Patent Jurisdiction

10.3.5. Analysis by CPC Symbols

10.3.6. Analysis by Type of Applicant

10.3.7. Leading Industry Players: Analysis by Number of Patents

10.3.8. Leading Non-Industry Players: Analysis by Number of Patents

10.3.9. Leading Individual Patent Assignees: Analysis by Number of Patents

10.4. Chromatography Instruments and Consumables: Patent Benchmarking Analysis

10.4.1. Analysis by Patent Characteristics

10.5. Chromatography Instruments and Consumables: Patent Valuation

10.6. Leading Patents by Number of Citations

## **11. MERGERS AND ACQUISITIONS**

11.1. Chapter Overview

11.2. Merger and Acquisition Models

11.3. Chromatography Instruments and Consumables: Mergers and Acquisitions

11.3.1. Analysis by Type of Deal

11.3.2. Analysis by Year of Deal



- 11.3.3. Analysis by Company Ownership
- 11.3.4. Analysis by Geography
  - 11.3.4.1. Intercontinental and Intracontinental Deals
  - 11.3.4.2. Local and International Deals
- 11.3.5. Most Active Players: Analysis by Number of Mergers and Acquisitions
- 11.3.6. Analysis by Key Value Drivers
- 11.3.7. Key Acquisitions: Deal Multiples

## **12. MARKET IMPACT ANALYSIS: DRIVERS, RESTRAINTS, OPPORTUNITIES AND CHALLENGES**

- 12.1. Chapter Overview
- 12.2. Market Drivers
- 12.3. Market Restraints
- 12.4. Market Opportunities
- 12.5. Market Challenges
- 12.6. Conclusion

## **13. GLOBAL CHROMATOGRAPHY MARKET**

- 13.1. Chapter Overview
- 13.2. Assumptions and Methodology
- 13.3. Global Chromatography Market, Historical Trends (2017-2022) and Future Estimates (2023-2035)
  - 13.3.1. Scenario Analysis
- 13.4. Key Market Segmentations
- 13.5. Dynamic Dashboard

## **14. CHROMATOGRAPHY MARKET: DISTRIBUTION BY TYPE OF PRODUCT, 2023 AND 2035**

- 14.1. Chapter Overview
- 14.2. Key Assumptions and Methodology
- 14.3. Chromatography Instruments: Historical Trends (2017-2022) and Future Estimates (2023-2035)
- 14.4. Chromatography Consumables: Historical Trends (2017-2022) and Future Estimates (2023-2035)
- 14.5. Other Accessories: Historical Trends (2017-2022) and Future Estimates (2023-2035)

#### 14.6. Data Triangulation

- 14.6.1. Insights from Primary Research
- 14.6.2. Insights from Secondary Research
- 14.6.3. Insights from In-house Repository

### **15. CHROMATOGRAPHY MARKET: DISTRIBUTION BY TYPE OF CHROMATOGRAPHY INSTRUMENT**

#### 15.1. Chapter Overview

#### 15.2. Key Assumptions and Methodology

#### 15.3. Liquid Chromatography Instrument: Historical Trends (2017-2022) and Future Estimates (2023-2035)

#### 15.4. Gas Chromatography Instrument: Historical Trends (2017-2022) and Future Estimates (2023-2035)

#### 15.5. Other Instruments: Historical Trends (2018-2022) and Future Estimates (2023-2035)

#### 15.6. Data Triangulation

- 15.6.1. Insights based on Primary Research
- 15.8.2. Insights based on Secondary Research
- 15.8.3. Insights from In-house Repository

### **16. CHROMATOGRAPHY MARKET: DISTRIBUTION BY TYPE OF CONSUMABLE FORMAT OFFERED, 2023 AND 2035**

#### 16.1. Chapter Overview

#### 16.2. Key Assumptions and Methodology

#### 16.3. Pre-Packed Columns: Historical Trends (2017-2022) and Future Estimates (2023-2035)

#### 16.4. Bottles / Bulk Resins: Historical Trends (2017-2022) and Future Estimates (2023-2035)

#### 16.5. Other Formats: Historical Trends (2017-2022) and Future Estimates (2023-2035)

#### 16.6. Data Triangulation

- 16.6.1. Insights based on Primary Research
- 16.6.2. Insights based on Secondary Research
- 16.6.3. Insights from In-house Repository

### **17. CHROMATOGRAPHY MARKET: DISTRIBUTION BY END USER**

#### 17.1. Chapter Overview

- 17.2. Key Assumptions and Methodology
- 17.3. Pharmaceutical and Biopharmaceutical Companies: Historical Trends (2017-2022) and Future Estimates (2023-2035)
- 17.4. Academic / Research Institutes: Historical Trends (2017-2022) and Future Estimates (2023-2035)
- 17.5. Other Industries: Historical Trends (2017-2022) and Future Estimates (2023-2035)
- 17.6. Data Triangulation
  - 17.6.1. Insights based on Primary Research
  - 17.6.2. Insights based on Secondary Research
  - 17.6.3. Insights from In-house Repository

## **18. CHROMATOGRAPHY MARKET: DISTRIBUTION BY GEOGRAPHY**

- 18.1. Chapter Overview
- 18.2. Key Assumptions and Methodology
- 18.3. North America: Historical Trends (2017-2022) and Future Estimates (2023-2035)
  - 18.3.1. Chromatography Market for Chromatography Instruments
  - 18.3.2. Chromatography Market for Chromatography Consumables
  - 18.3.3. Chromatography Market for Other Accessories
- 18.4. Europe: Historical Trends (2017-2022) and Future Estimates (2023-2035)
  - 18.4.1. Chromatography Market for Chromatography Instruments
  - 18.4.2. Chromatography Market for Chromatography Consumables
  - 18.4.3. Chromatography Market for Other Accessories
- 18.5. Asia-Pacific: Historical Trends (2017-2022) and Future Estimates (2023-2035)
  - 18.5.1. Chromatography Market for Chromatography Instruments
  - 18.5.2. Chromatography Market for Chromatography Consumables
  - 18.5.3. Chromatography Market for Other Accessories
- 18.6. Rest of the World: Historical Trends (2017-2022) and Future Estimates (2023-2035)
  - 18.6.1. Chromatography Market for Chromatography Instruments
  - 18.6.2. Chromatography Market for Chromatography Consumables
  - 18.6.3. Chromatography Market for Other Accessories
- 18.7. Data Triangulation
  - 18.7.1. Insights based on Primary Research
  - 18.7.2. Insights based on Secondary Research
  - 18.7.3. Insights from In-house Repository

## **19. CONCLUSION**

## **20. EXECUTIVE INSIGHTS**

## **21. APPENDIX 1: TABULATED DATA**

## **22. APPENDIX 2: LIST OF COMPANIES AND ORGANIZATIONS**

## I would like to order

Product name: Chromatography Consumables and Chromatography Instrumentation Market: Distribution by Type of Product (Instruments, Consumables and Other Accessories), Type of Chromatography Instruments (Liquid Chromatography, Gas Chromatography, and Other Systems), Type of Consumable Formats (Prepacked Columns, Bottles / Bulk Resins and Other Formats), End Users (Pharmaceutical / Biotechnology Industries, Academic / Research Institutes and Other Industries) and Key Geographical Regions (North America, Europe, Asia-Pacific, and Rest of the World): Industry Trends and Global Forecasts, 2023-2035

Product link: <https://marketpublishers.com/r/C8EB3D7956D9EN.html>

Price: US\$ 4,799.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C8EB3D7956D9EN.html>

**To pay by Wire Transfer, please, fill in your contact details in the form below:**

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970