

Ion Chromatography Market Report by Technology (Ion-exchange Chromatography, Ion-exclusion Chromatography, Ion-pair Chromatography), Application (Environmental Testing, Pharmaceutical Industry, Food Industry, Chemicals Industry, and Others), and Region 2024-2032

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Abstracts

The global ion chromatography market size reached US\$ 2.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.6 Billion by 2032, exhibiting a growth rate (CAGR) of 5.92% during 2024-2032.

Ion chromatography refers to a separation procedure that evaluates aggregate concentrations of ionic species by splitting the mixture based on their interaction with resin. It aids in quantifying various anions, including fluoride, sodium, ammonium, magnesium, calcium, potassium, and lithium, which enables the pharmaceutical companies to purify liquids and compounds. On account of these properties, ion chromatography finds extensive applications in isolating selected proteins, determining the sugar and salt content of food products, and implementing drinking water analysis to assess its pollution level. At present, it is commercially categorized into varying types, such as ion exchange, ion pair, and ion exclusion chromatography.

Ion Chromatography Market Trends:

The widespread adoption of ion chromatography in the food and beverage (F&B) sector for accurately analyzing and detecting various ingredients, quality, water sensitivity, and content in the food products to ensure product safety is one of the key factors driving the market toward growth. This is further supported by the extensive utilization of ion

chromatography techniques in the pharmaceutical and biotechnology industries for the quantitative analysis of drugs, biomarkers, pharmacokinetics, proteomics, and characterizing new medicinal substances. In line with this, the numerous favorable initiatives undertaken by the government bodies of several nations for examining counterfeit products to meet the required authenticity and safety standard is acting as another growth-inducing factor. Additionally, the rising demand for ion-exchange chromatography (IEC) for pre-concentration of traced solution components and performing water purification activities are contributing to the market growth. Apart from this, the escalating investments in research and development (R&D) activities for introducing advanced ion chromatography techniques is creating a positive outlook for the market across the globe.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global ion chromatography market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on technology and application.

Breakup by Technology:

- Ion-exchange Chromatography
- Ion-exclusion Chromatography
- Ion-pair Chromatography

Breakup by Application:

- Environmental Testing
- Pharmaceutical Industry
- Food Industry
- Chemicals Industry
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
- China

Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Agilent Technologies Inc., Bio-Rad Laboratories Inc., Cecil Instruments Limited, MembraPure GmbH, Metrohm AG, Nittoseiko Analytech Co. Ltd., Perkinelmer Inc., Shimadzu Corporation, Sykam GmbH, Thermo Fisher Scientific, Tosoh Corporation and Waters Corporation.

Key Questions Answered in This Report

1. How big is the global ion chromatography market?
2. What is the expected growth rate of the global ion chromatography market during 2024-2032?
3. What are the key factors driving the global ion chromatography market?
4. What has been the impact of COVID-19 on the global ion chromatography market?
5. What is the breakup of the global ion chromatography market based on the technology?
6. What is the breakup of the global ion chromatography market based on the application?
7. What are the key regions in the global ion chromatography market?

8. Who are the key players/companies in the global ion chromatography market?

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