

Global Capillary Electrophoresis Market Size study, by Product (Instrument, Consumables, Software), by Mode (Capillary Zone Electrophoresis, Capillary Gel Electrophoresis, Capillary Electrochromatography), by Application (Nucleic Acid Analysis, Protein Analysis, Genomic DNA, Plasmid DNA, Fragment Analysis, RNA/mRNA Analysis, Others), by End-use (Research Organizations and Institutes, Pharmaceutical & Biotechnology Companies, Clinical Laboratories) and Regional Forecasts 2022-2032

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Abstracts

Global Capillary Electrophoresis Market was valued at approximately USD 354.68 million in 2023 and is projected to grow at a healthy CAGR of 5.41% from 2024 to 2032. Capillary electrophoresis (CE) is an analytical technique used to separate ions based on their electrophoretic mobility with the use of an applied voltage. The separation occurs within a narrow capillary tube, allowing for high-resolution analysis and rapid results. CE is widely applied in various fields, including biochemistry, pharmaceuticals, and environmental science, for the separation and analysis of proteins, nucleic acids, small organic molecules, and inorganic ions. It is favored for its efficiency, sensitivity, and minimal sample requirements.

The Global Capillary Electrophoresis Market is driven by escalating prevalence of chronic diseases and the increasing utilization of CE in drug discovery and pharmacokinetics are significant growth drivers. Capillary electrophoresis, with its high precision and efficiency, is widely used in diagnosing and researching conditions such as cancer, diabetes, and cardiovascular diseases. As the global burden of these chronic

diseases grows, the need for accurate, efficient, and cost-effective diagnostic tools such as capillary electrophoresis continues to surge, fueling market growth. Additionally, advancements in technology and the rising need for personalized medicines are augmenting market expansion. The surge in R&D spending for drug discovery and development, coupled with a growing number of clinical laboratories, further propels the CE market. However, high cost associated to cost of capillary electrophoresis systems and lack of skilled professionals is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Capillary Electrophoresis Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the dominating among regional market in terms of revenue owing to factors such as high prevalence of chronic diseases in the region and the increasing demand for personalized medicine, necessitating precise and individualized treatment options. The role of CE systems in analyzing complex biological samples swiftly and accurately underscores their importance in this field. Key market players in North America are actively engaging in strategic initiatives, including product launches, mergers, and acquisitions, to cater to a diverse clientele. Furthermore, the market in Asia Pacific is anticipated to develop at the fastest rate over the forecast period 2024-2032.

Major market players included in this report are:

C.B.S Scientific

Danaher

Helena Laboratories

QIAGEN

Bio-Techne

PerkinElmer Inc.

Merck KGaA

Shimadzu Corporation

Thermo Fisher Scientific Inc.

Agilent Technologies Inc.

The detailed segments and sub-segment of the market are explained below:

By Product:

- Instrument
- Consumables
- Software

By Mode:

- Capillary Zone Electrophoresis
- Capillary Gel Electrophoresis

- Capillary Electrochromatography

By Application:

- Nucleic Acid Analysis
- Protein Analysis
- Genomic DNA
- Plasmid DNA
- Fragment Analysis
- RNA/mRNA Analysis
- Others

By End-use:

- Research Organizations and Institutes
- Pharmaceutical & Biotechnology Companies
- Clinical Laboratories

By Region:

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
- RoLA

Middle East & Africa

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of geographical landscape with Country level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approach.
- Analysis of competitive structure of the market.
- Demand side and supply side analysis of the market

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