

Life Science Instrumentation Market by Technology (Spectroscopy, Chromatography, Immunoassay, NGS, PCR, Microscopy), Application (Diagnostic, Clinical), End User (Pharma, Agriculture & Food Industry, Hospitals, Diagnostic Labs) - Global Forecasts to 2028

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### Report description:

The global life science instrumentation market is projected to reach USD 73.9 billion by 2028 from USD 54.9 billion in 2023, at a CAGR of 6.1% from 2023 to 2028. Factors such as increasing funding and grants supporting research and development, rising proteomics research, and increasing prevalence of life-threatening diseases are responsible for the increasing growth of this market.

"The spectroscopy segment held the largest share of the market in 2022"

Based on technology, the life science instrumentation market is segmented into spectroscopy chromatography, PCR, immunoassays, lyophilization, liquid handling systems, clinical chemistry analyzers, microscopy, flow cytometry, NGS, centrifuges, electrophoresis, cell counting, and other technologies. The spectroscopy segment held the largest market share in 2022. The large share of this segment can be attributed to the launch of technologically advanced products and rising application in F&B to ensure quality of food products.

"The research applications segment is projected to register the highest CAGR during the forecast period"

Based on application, the life science instrumentation market is segmented into research applications, clinical & diagnostic applications, and other applications. The research applications segment is projected to register the highest CAGR from 2023 to 2028. Factors such as the rising use of life science equipment for disease diagnosis, cancer research, and increasing fundings to support research are driving the market growth.

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"The market in the Asia Pacific region is expected to witness the highest growth during the forecast period."

The life science instrumentation market in the APAC region is expected to register a CAGR during the forecast period, primarily due to the rising use of life science instruments by the applied industries and increasing focus of major players in the region.

A breakdown of the primary participants referred to for this report is provided below:

- -□By Company Type: Tier 1-48%, Tier 2-36%, and Tier 3- 16%
- By Designation: C-level-10%, Director-level-14%, and Others-76%
- By Region: North America-40%, Europe-32%, Asia Pacific-20%, Latin America-5%, and the Middle East & Africa-3%

The prominent players in the life science instrumentation market are Thermo Fisher Scientific Inc. (US), Danaher Corporation (US), Agilent Technologies, Inc. (US), Waters Corporation (US), Shimadzu Corporation (Japan), Becton, Dickinson and Company (US), PerkinElmer Inc. (US), Bio-Rad Laboratories, Inc. (US), Bruker (US), and Hitachi High-Technologies Corporation (Japan).

### Research Coverage

This report studies the life science instrumentation market based on technology, application, end user, and region. It also covers the factors affecting market growth, analyzes the various opportunities and challenges in the market, and provides details of the competitive landscape for market leaders. Furthermore, the report analyzes micromarkets with respect to their growth trends and forecasts the revenue of the market segments with respect to five main regions (and the respective countries in these regions).

# Reasons to Buy the Report

The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the overall life science instrumentation market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, challenges, and opportunities.

This report provides insights on the following pointers:

- Analysis of key drivers (rising food safety concerns, growing investments in pharmaceutical R&D, increasing prevalence of infectious diseases), restraints (shortage of skilled professionals, high cost of instruments), opportunities (increasing demand for analytical tools in emerging countries, growing pharmaceutical and biotechnology industries, and rising opportunities in emerging countries), and challenges (inadequate infrastructure in emerging countries for research, ethical issues related to privacy of data generated from instruments/software) influencing the growth of the life science instrumentation market
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the life science instrumentation market
- Market Development: Comprehensive information about lucrative markets-the report analyses the life science instrumentation market across varied regions
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the life science instrumentation market
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Thermo Fisher Scientific Inc. (US), Danaher Corporation (US), Agilent Technologies, Inc. (US), Waters Corporation (US), Shimadzu Corporation (Japan).

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