

Life Science and Chemical Instrumentation Market (Chromatography, Electrophoresis, DNA Sequencer, PCR, Microplate Reader, Robotics, Spectroscopy, Immunoassay, Microarray, Flow Cytometer, Incubator, Fume Hood, Centrifuge) - Global Forecast to 2019

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Abstracts

The global life science and chemical instrumentation market is estimated to grow at a CAGR of 6.9% from 2014 to 2019. Although mature markets (such as the U.S., Germany, France, and the U.K.) held larger shares in the global life science and chemical instrumentation market in 2014, the Asia-Pacific region is poised to grow at the highest rate in the next five years. Factors such as strategic expansion by key market players in emerging Asian countries; growing pharmaceutical and biopharmaceutical industry; rising government investments in biomedical industry in China and Singapore, and extensive crop research in Asia to feed its increasing population are propelling the demand of the life science and chemical instrumentations in Asia-Pacific region.

The growth of the global life science and chemical instrumentation market is driven by factors such as rising pharmaceutical R&D investments in emerging countries, increasing food safety concerns, availability of public and private funding for life science research studies, advancements in analytical instruments in terms of technology, miniaturization of instruments, and stringent drug development regulations in developed countries. In addition, emerging economies and increasing demand of analytical instruments from applied markets are creating new growth opportunities for the life science and chemical instrumentation manufacturers. Nonetheless, the high cost of technologically advanced instruments, scarcity of skilled professionals, and presence of alternative analytical technologies are the key reasons hampering the growth of life science and chemical instrumentation market.



In this report, the life science and chemical instrumentation market has been segmented on the basis of technology (covering chromatography, electrophoresis, DNA sequencers & amplifiers, lab automation, spectroscopy, immunoassay, microarray, flow cytometry, and other instruments (incubators, lab balances, fume hoods, and centrifuges)), by end user (including pharmaceutical, biopharmaceutical, and biotechnology companies; clinical research organizations (CROs); research institutions; hospitals, clinics, and diagnostic laboratories; academic institutions; forensic science laboratories; food and agriculture industry; and environmental testing industry; among others), and by region (North America, Europe, Asia Pacific, and Rest of the World). The spectroscopy market commanded the largest share of the global life science and chemical instrumentation market in 2014. However, the DNA sequencers and amplifiers market is expected to grow at the highest rate during the forecast period. Development of technologically advanced cost efficient genome sequencers and amplifiers is the key factor driving the growth of this market segment.

Geographically, North America (comprising the U.S. and Canada) commanded the largest share of the global life science and chemical instrumentation market in 2014, followed by Europe. The North American life science and chemical instrumentation market is driven by factors such as stringent drug development regulations, public and private funding for life science research activities, growing number of metabolomics research studies, rising prevalence of chronic diseases and aging population (that is responsible for the boost in the research on bio-based drugs), and a significant number of conferences, discussions, symposium, & seminars hosted by North America related to analytical technologies. However, increasing outsourcing of clinical research by big U.S. pharma companies to developing Asian countries and changes in the Canadian R&D tax credit program are negatively affecting the growth of the life science and chemical instrumentation market in North America.

The global life science and chemical instrumentation market is fragmented and competitive with a large number of global and local manufacturers of analytical instruments. Agilent Technologies, Inc. (U.S.), Becton, Dickinson and Company (U.S.), Bio-Rad Laboratories, Inc. (U.S.), Bruker Corporation (U.S.), Danaher Corporation (U.S.), F. Hoffmann-La Roche Ltd (Switzerland), Illumina, Inc. (U.S.), PerkinElmer, Inc. (U.S.), Shimadzu Corporation (Japan), Thermo Fisher Scientific, Inc. (U.S.), and Waters Corporation (U.S.) are some of the key players in the global life science and chemical instrumentation market. New product launches, partnerships, agreements, collaborations, and geographic expansions were the major strategies adopted by most of the market players to achieve growth in the life science and chemical instrumentation



market.

Reasons to Buy the Report:

From an insight perspective, this research report has focused on various levels of analysis —industry analysis (industry trends, and Porter's five force model), market share analysis of top players, and company profiles, which together comprise and discuss basic views on the competitive landscape, emerging and high-growth segments of the life science and chemical instrumentation market, high-growth regions and their respective drivers, restraints, challenges, and opportunities.

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help firms in garnering a greater market share. Firms purchasing the report could use any one or combination of the below mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening their market share.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on analytical instrumentation products offered by the top 10 players in the life science and chemical instrumentation market. The report analyzes the life science and chemical instrumentation market by technology and end user across four geographies

Product Development/Innovation: Detailed insights on current and upcoming technologies, research and development activities, and new product launches in the life science and chemical instrumentation market

Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the markets for various life science and chemical instrumentations across geographies

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the life science and chemical instrumentation market

Competitive Assessment: In-depth assessment of market shares, strategies, products, distribution networks, and manufacturing capabilities of leading



players in the life science and chemical instrumentation market



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