

# **Latin America Flow Cytometry Market Size, Share & Trends Analysis Report By Product (Instruments, Reagents & Consumables), By Technology, By Application (Research), By End-use, By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **Latin America Flow Cytometry Market Growth & Trends**

The Latin America flow cytometry market size is expected to reach USD 420.5 million by 2030, registering a CAGR of 5.9% from 2025 to 2030, according to a new report by Grand View Research, Inc. The rising prevalence of target diseases, including cancer, infectious diseases, and immunodeficiency disorders, is driving the growth of the market. According to the American Cancer Society an estimated 1.3 million new cancer cases are found in Latin America, leading to the death of 666,000 people in the region.

Flow cytometry helps provide rapid and accurate analysis of cells and particles, enabling its rapid adoption for diagnostic purposes. The growing need for precise diagnostics and personalized medicine is driving the Latin America flow cytometry market. Moreover, a number of players in Latin America are focusing on providing technological advancements, including developing high-throughput systems, improved reagents, and integrating artificial intelligence and machine learning for data analysis to meet the rising demand for rapid diagnostics in the region. For instance, in November 2022, Bio-Rad Laboratories, Inc. announced the launch of three StarBright Dyes, including StarBright Violet 440, StarBright Blue 700, and StarBright Violet 610 that are specifically being developed to be used for flow cytometry. These dyes help in providing an improved resolution and maximal brightness.

Moreover, the use of flow cytometry in stem cell research is experiencing a rising trend, and its applications in clinical research are expanding unprecedentedly. For instance, in April 2022 the International Journal of Laboratory Hematology highlighted the versatility of this technique employed to analyze the attributes of heterogeneous cell populations derived from peripheral blood (PB), bone marrow (BM), and fragmented solid tissues, enabling subsequent in-depth investigations. Consequently, the utilization of flow cytometry in these areas is propelling the advancement of the investigated market.

Furthermore, key players involved in developing and formulating various technologies are focusing on collaborations and partnerships to develop novel instruments and maintain their competitive position in the market. For instance, in June 2022, BD (Becton, Dickinson and Company) announced the launch of an advanced system that works on the system of sorting cells based on their internal workings. Moreover, in March 2022, Beckman Coulter Life Sciences announced the launch of CellMek SPS, an automated system used in clinical flow cytometry for sample preparation.

### Latin America Flow Cytometry Market Report Highlights

Based on product, the instrument segment accounted for the largest market share of 34.9% in 2024. The large market share of the segment can be attributed to the increasing adoption of flow cytometers and increasing emphasis on technological advancements.

Based on technology, the cell-based segment accounted for the largest market share in 2024. The large market share can be attributed to the growing awareness of the benefits of cell-based assays and the increasing demand for early disease diagnosis.

On the basis of application, the clinical segment accounted for the largest market share in 2024, driven by increased research and development in cancer and infectious diseases.

On the basis of end-use, Academic institutes accounted for the largest market share in 2024. Flow cytometry is used to detect cell parameters such as physical features of cells, cell type, lineage, and maturation stage in biology and molecular diagnostics research.

Key players operating in the market are constantly focusing on product

launches and geographical expansion to maintain their presence

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