

# Flow Cytometry Market Latest Trends, Future Prospects, Share, and Forecast with Growth Factors

*An increase in the applications of flow cytometry in clinical research is driving the growth of the flow cytometry market*

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The [Flow Cytometry Market](#) size is forecast to reach \$6.71 billion by 2025, growing at a CAGR of 8.47% during the forecast period 2020-2025. Flow cytometry is a technique used to detect and measure the physical and chemical characteristics of a population of cells or particles. In this process, a sample

containing cells or particles is suspended in a fluid and injected into the flow cytometer instrument. The increasing use of flow cytometry in research activities and clinical trials and the growing focus on immunology and immune-oncology research is set to grow the demand for flow cytometry during the forecast period 2020-2025. Flow cytometry is considered an ideal tool for characterizing, identifying and isolating stem cells for research and potential clinical use. Recent advancements in flow cytometric hardware, reagents and software have synergized to permit the stem cell biologist to identify and isolate rare cells. With such extensive use of flow cytometry for effective diagnosis and early detection of diseases the adoption in stem cell research is driving the growth of the Flow cytometry Market during the forecast period 2020-2025

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## Key Takeaways

North America dominated the Flow Cytometry market owing to the expansion of novel products that are set to create opportunities during the forecast period 2020-2025



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In terms of Products and Services, the instruments segment demand is increasing owing to wide usage and requirement in terms of Cell Analysers and Cell Sorters.

Factors such as the growing adoption of flow cytometry in stem cell research and an increase in the applications of flow cytometry in clinical research is driving the growth of the flow cytometry market

Detailed analysis of the Strength, Weaknesses and opportunities of the prominent players operating in the market will be provided in the Flow Cytometry Market report.

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#### Segmental Analysis:

Based on Technology Flow Cytometry market is segmented into Cell-based flow cytometry and Bead-based flow cytometry. Bead-based cytometry is estimated to be the fastest-growing technology with a CAGR of 7.31% during the forecast period 2020-2025. This is owing to constant advancement in molecular engineering, monoclonal antibodies protection, and associated advantages such as cost efficiency and short Turnaround time(short- TAT). Also, with the procedural advantages such as ELSIE or western blot, the demand for Bead-based is increasing during the forecast period 2020-2025.

Based on Applications, Flow Cytometry can be segmented into Research Applications, Clinical Applications, and Industrial Applications. Research Applications accounted for the largest share owing to initiatives taken by governments and companies for increasing the adoption of flow cytometry for research activities as well as increasing research in infectious diseases. With the increasing development of new drugs and the rise of research and development in companies, the research application is also set to register the highest CAGR during the forecast period 2020-2025

Based on Geography, the Flow cytometry market is segmented into North America, Europe, Asia Pacific, and the Rest of the World. In 2019, North America accounted for the largest share with 39.8% of the overall market. This is owing to the rise in the expansion of novel products that in turn is to create opportunities during the forecast period 2020-2025. In the U.S., the increase in the number of cancer cases is thus creating demand for Flow Cytometry Market. Asia Pacific is set to register the highest CAGR during the forecast period 2020-2025 owing to outsourcing R&D activities in this region and increasing incidences of diseases such as Cancer and HIV.

#### Competitive Landscape:

The top 5 players in the Flow Cytometry Industry are -

1. Bio-Rad Laboratories, Inc.
2. MiltenyiBiotec Sysmex Partec GmbH
3. BIOMÉRIEUX
4. Mechatronics
5. Apogee Flow Systems Ltd.

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