

# Global Flow Cytometry Market Forecast: Growth-Rate, Revenue, Segmentation, Regional Share, and Key Player Analysis

Global Flow Cytometry Market size is valued at USD 3.8 billion in 2023 and is estimated to grow at a CAGR of around 10.6% during the forecast period 2024-30.

NEW HAVEN, CONNECTICUT, USA, July 23, 2024 /EINPresswire.com/ -- Flow cytometry, an analytical technique widely used in medicine and biology, plays a pivotal role in calculating and evaluating cellular characteristics. By aiding researchers and clinicians in identifying diseases based on cell characteristics, analyzing complex cell populations, and sorting cells for further studies, flow cytometry stands as a valuable tool in fields such as immunology, cancer research, and hematology.



## Global Market Insights & Analysis:

The Global [Flow Cytometry Market](#) size was valued at around USD 3.8 billion in 2023 and is estimated to grow at a CAGR of around 10.6% during the forecast period, i.e., 2024-30. The market's growth is attributed to the increasing adoption of flow cytometry in drug development and discovery processes, along with technological advancements enhancing its capabilities.

One of the key drivers of market growth is the technology's role in toxicology studies, which enables researchers to assess the impact of drug candidates on various cell types, essential for safety assessments. Furthermore, flow cytometry facilitates the monitoring of drug compound effects on cellular responses, aiding in the study of underlying mechanisms of action.

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## Global Flow Cytometry Market Segmentation

- By Products & Services (Assay & Kits, Instruments, Reagents & Consumables, Software, Services)
- By Type (Oncology, (Hematological Malignancies, (Lymphoma, Leukemia, Myeloma, Others), Solid Tumors, (Breast Cancer, Prostate Cancer, Colorectal Cancer, Lung Cancer, Others), Drug Discovery, Stem Cell Therapy, Hematology, Immunology, Other))
- By Application (Translational Research, Clinical, (Screening & Diagnostics, Treatment Monitoring))
- By End Users (Diagnostic Laboratories, Hospitals & Healthcare Centers, Academic & Research Institutes, Others), and Others
- By Technology (Cell-Based Flow Cytometry, Bead-Based Flow Cytometry)

Based on Technology: Cell-based flow cytometry dominated the market in 2023 and is projected to flourish through 2030. These cell-based assays are vital in drug discovery for evaluating the physiological characteristics of cells and examining the resulting data. Technological advancements, such as multi-parameter flow cytometry for rare cell analysis, are predicted to drive segment growth in the coming years.

## North America Captured the Potential Share of the Global Flow Cytometry Market

Among the Regions [North America, Europe, Asia-Pacific, the Middle East & Africa, and South America], North America has emerged as a significant player in the flow cytometry market, driven by its well-established healthcare system and pharmaceutical industry. The region's substantial investments in research and development further contribute to the demand for flow cytometry solutions, both in clinical and research applications.

## Key Companies Operating in the Global Flow Cytometry Market

- Becton, Dickinson & Company
- Danaher Corporation
- ThermoFisher Scientific
- Agilent Technologies
- Bio-Rad Laboratories
- Miltenyi Biotec
- Enzo Biochem Inc.
- Sysmex Corporation
- Cytex Biosciences
- Biomurex
- Cytonome/ST, LLC
- Sartorius AG
- Union Biometrica
- Takara Bio Inc.

- Apogee Flow Systems

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Global Flow Cytometry Market Opportunity:

Growing Adoption of Flow Cytometry Techniques in Research & Academia – Flow cytometry, a cultured method for examining individual cells and particles in suspension at rates of thousands of cells per second, is gradually adopted in research & academia. Initially recognized in immunology, its application has extended to environmental studies, extracellular vesicle analysis, and multi-parameter analysis, utilizing over 30 varied parameters for more comprehensive investigations. Moreover, flow cytometers provide exceptional capabilities, high-quality data, and user-friendly platforms, allowing researchers to efficiently collect & evaluate data, thereby saving time. Thus, owing to the high adoption rate, the Flow Cytometry Market is predicted to grow tremendously.

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