

Flow Cytometry Market Expected to \$16.6 Billion by 2032 Driven by Technology and Clinical Use | CAGR of 10.3% by AMR

Flow cytometry market report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics.

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EINPresswire.com/ -- [Flow Cytometry Market](#)

by Component (Instruments, Reagents & Consumables, Software, and Services), Technology (Cell-Based Flow Cytometry and Bead-Based Flow Cytometry), Application (Academic & Clinical Applications and Diagnostic Applications), and End User (Hospitals, Medical Schools and Clinical Testing Labs, Commercial Organizations, Academic Institutions, and Others), Global Opportunity Analysis and Industry Forecast, 2023–2032". According to the report, the global Flow Cytometry Market was valued at \$6.2 Billion in 2022 and is estimated to reach \$16.6 Billion by 2032, exhibiting a CAGR of 10.3% from 2023 to 2032.



FLOW CYTOMETRY MARKET
OPPORTUNITIES AND FORECAST, 2023-2032

Flow cytometry market is expected to reach **\$16.6 Billion** in 2032

Growing at a **CAGR of 10.3%** (2023-2032)

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Flow cytometry is a powerful analytical technique used in various fields of biology, medicine, and clinical diagnostics.”

Allied Market Research

Flow cytometry is a powerful analytical technique used in biology and medicine to characterize and quantify various properties of cells and particles in a fluid suspension. The key component of a flow cytometer is a flow cell, which houses the sample and directs it into the laser beam. As cells pass through the laser, they scatter light in multiple directions and emit fluorescent signals if labeled with

specific fluorescent dyes or antibodies. These signals are then collected by detectors and converted into data, generating detailed information about cell size, shape, complexity, and the presence or absence of specific molecules on their surface.

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Bio-Rad Laboratories, Inc. , Thermo Fisher Scientific Inc. , Miltenyi Biotec GmbH., BioMerieux SA,

Becton, Dickinson and Company, Cytex Biosciences, Agilent Technologies, Inc., Danaher Corporation, Sartorius AG, Sysmex Corporation

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On the basis of component, the flow cytometry industry is bifurcated into instruments, reagents and consumables, software and services. The reagents and consumables segment accounted for the highest market share in 2022, owing to high adoption of reagents in almost every procedure of flow cytometry.

On the basis of technology, the flow cytometry industry is segmented into cell-based flow cytometry and bead-based flow cytometry. The cell-based flow cytometry segment was the highest revenue generating segment in 2022, owing to its wide scale application in the diagnosis of various diseases such as cancer and HIV, biomedical research, and its increasing use in monitoring the progress of drug treatment.

On the basis of application, academic & clinical applications segment accounted for the highest share of the flow cytometry market share in 2022, owing to increase in adoption of flow cytometer in the cell cycle analysis & cell proliferation. However, the diagnostic applications segment is expected to exhibit the fastest growth during the forecast period, owing to a rise in the use of technology in diagnostic applications.

On the basis of end user, the flow cytometry market analysis is segmented into hospitals, medical schools and clinical testing labs, commercial organizations, academic institutions and others. The commercial organizations segment accounted for a major share of the market share in the flow cytometry market in 2022, owing to heavy investments in R&D activities, advancements in cell- and bead-based technologies, growing patient population, and increasing demand for flow cytometry in drug discovery process.

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However, Asia-Pacific is expected to register the fastest growth during the flow cytometry market forecast. This is mainly attributed to major international companies outsourcing their research processes to contract research organizations (CROs) located in Asia-Pacific. Moreover, impending need for sophisticated healthcare facilities and rise in incidences of chronic diseases such as HIV and cancer are expected to boost the market growth

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