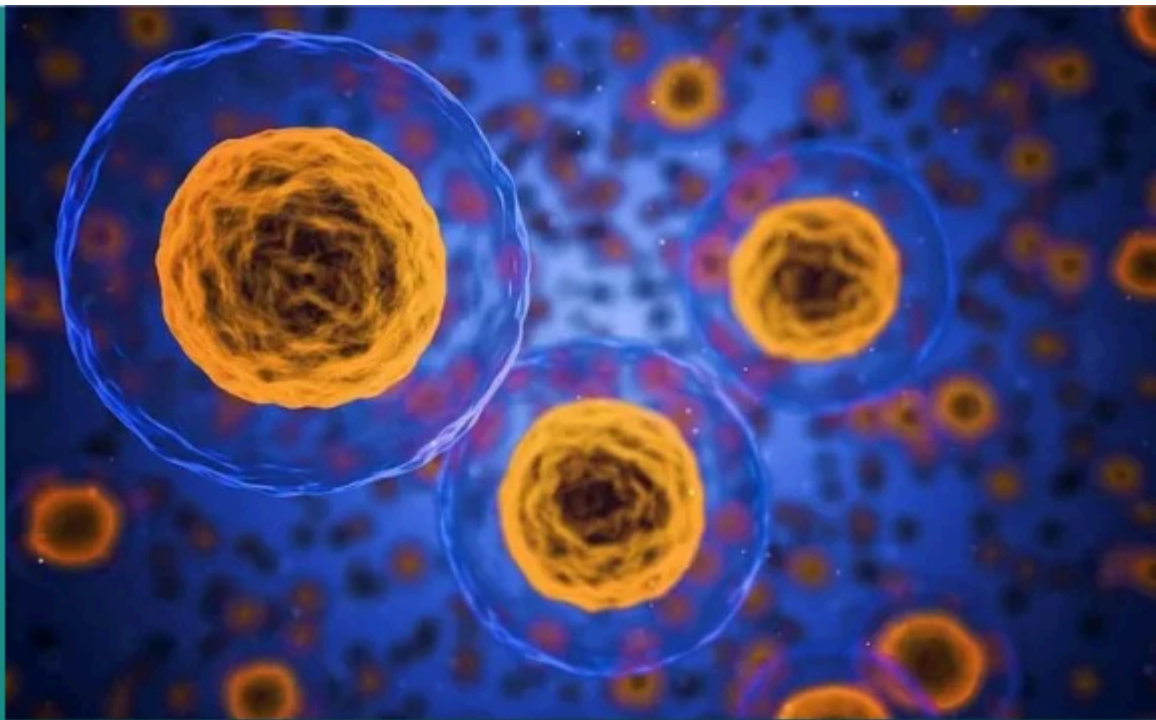




# Flow Cytometry Market Demand, Future Trends Report To 2033

## Overview and Scope

Flow cytometry is a technique in which cells are added to a fluid medium, which is then passed through a pulsating laser beam. The cell then scatters the beam in different directions towards receptors that capture the light and translate it into data displayed on a monitor. Flow cytometry is used to analyze characteristics of a biological cell, such as cell size, cell count, and cell complexity, using laser optics.



# Flow Cytometry Global Market Report



## Sizing and Forecast

The flow cytometry market size has grown strongly in recent years. It will grow from \$6.24 billion in 2023 to \$6.84 billion in 2024 at a compound annual growth rate (CAGR) of 9.5%. The growth in the historic period can be attributed to immunophenotyping, cancer research, hematology and blood cell analysis, clinical diagnostics, drug discovery and development.

The flow cytometry market size is expected to see rapid growth in the next few years. It will grow to \$10.22 billion in 2028 at a compound annual growth rate (CAGR) of 10.6%. The growth in the forecast period can be attributed to single-cell analysis, immunotherapy and car-t cell development, infectious disease research, biomarker discovery, point-of-care testing (poc). Major trends in the forecast period include multicolor analysis, automation and robotics, imaging flow cytometry, data analysis and informatics, sample preparation innovations.

**To access more details regarding this report, visit the link:**

<https://www.thebusinessresearchcompany.com/report/flow-cytometry-global-market-report>

**The flow cytometry market covered in this report is segmented –**

- 1) By Type: Instruments, Reagents & Consumables, Software, Accessories, Services
- 2) By Technology: Cell-Based, Bead-Based
- 3) By Application: Oncology, Drug Discovery, Disease Diagnosis, Stem Cell Therapy, Organ Transplantation, Hematology
- 4) By End User: Hospitals And Clinics, Academia And Research Institutes, Pharmaceutical And Biotechnology Companies, Other End Users

North America was the largest region in the flow cytometry market in 2023. Western Europe was the second largest region in the flow cytometry market analysis. The regions covered in the flow cytometry market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa

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### **Major Driver Impacting Market Growth**

The increasing number of HIV cases globally is an important driver for the flow cytometry market. This is because the flow cytometry technique has its direct application in HIV diagnosis. Flow cytometry uses light scattering to determine the identity of cells. These cells are given certain markers called CDs (clusters of differentiation), based on the type of scattering. For the HIV virus cell, the clusters of differentiation is called CD4, and based on the number of CD4s in a medium, flow cytometry can be used to diagnose HIV. As the global HIV population continues to grow, the demand for diagnosis techniques such as flow cytometry is also increasing.

### **Key Industry Players**

Major companies operating in the flow cytometry market include Beckman Coulter Inc., Agilent Technologies Inc, Bio-Rad Laboratories Inc, Thermo Fisher Scientific Inc., Luminex

Corporation, Miltenyi Biotec Ltd., Becton Dickinson and Company, Sysmex Corporation, Merck KGaA, Danaher Corporation, Apogee Flow Systems Ltd., Stratedigm Inc., General Electric Company, EMD Millipore Corporation, Affymetrix Inc., Biomérieux SA, Cytonome St LLC, Enzo Life Sciences Inc., Sony Biotechnology Inc., Life Technologies Corporation, ACEA Biosciences Inc., Takara Bio Inc., Union Biometrica Inc., Cytex Biosciences Inc., Nexcelom Bioscience LLC, Verity Software House Inc., Spectral Cytometry Systems GmbH, InstruNor AS

**The flow cytometry market report table of contents includes:**

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