

Cell Analysis Market by Product & Service (Consumables, Instruments), Technique (Flow Cytometry, PCR, Microscopy), Process (Counting, Viability, Proliferation, Interaction, Single-cell Analysis), End User (Pharma, Biotech) - Global Forecast to 2028

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Abstracts

The global cell analysis market is projected to reach USD 33.9 Billion by 2028 from USD 20.2 Billion in 2023, at a CAGR of 10.9% during the forecast period. Increasing adoption of novel cellular assays in various cancer research applications is one of the key opportunities in the cell analysis market. On the other hand, expensive nature of cell analysis instruments coupled with limitations on usage of certain reagents for experiments is expected to restrain the market growth.

“The reagents & consumables segment dominates the cell analysis market through the study period of 2021-2028.”

Based on product & service, the global cell analysis market is segmented into reagents & consumables, instruments, accessories, software, and services. The reagents & consumables segment represented largest market share for the year 2022, in cell analysis market. Availability of affordable consumables and reagent solutions is expected to drive the cell-based research activities, further strengthening the market growth. Use of unique reagents & consumables in flow cytometry-based cell analysis is expected to further propel the segment growth.

“The high content screening (HCS) segment is set to register the highest growth in the cell analysis market from 2023-2028.”

Based on technique, the global cell analysis market is segmented into flow cytometry, PCR, cell microarrays, microscopy, spectrophotometry, high-content screening (HCS), and other techniques. HCS The high content screening technique is a combination of analytical approaches and high-throughput automated imaging that aids in extraction of single-cell data which is multi-parametric in nature. Moreover, expanding applications of HCS in drug discovery applications are expected to contribute to the robust growth of this segment.

“North America generated highest revenue in cell analysis market in 2022.”

Geographically, the cell analysis market is segmented into North America, Europe, Asia Pacific, Latin America, and the Middle East and Africa. In 2022, North America accounted for the largest share of the cell analysis market. US being the key revenue contributor to this region, exhibits a strong network of prominent industry players leading to market maturity in this region. Further, active role of the government to encourage academic & research activities create lucrative opportunities in this region, intensifying competition in the North America cell analysis market.

The primary interviews conducted for this report can be categorized as follows:

By Company Type - Tier 1: 37%, Tier 2: 23%, and Tier 3: 40%

By Designation - C-level: 32%, D-level: 26%, and Others: 42%

By Region - North America: 35%, Europe: 25%, Asia Pacific: 20%, Latin America: 12%, and the Middle East and Africa: 8%

List of Companies Profiled in the Report

Danaher (US)

Thermo Fisher Scientific (US)

Becton Dickinson and Company (US)

General Electric (US)

Merck KGaA (US)

Agilent Technologies (US)

Olympus Corporation (Japan)

Miltenyi Biotec (US)

Bio-Rad Laboratories (US)

BioStatus Limited (UK)

Fluidigm Corporation (US)

NanoCollect Biomedical (US)

Cell Biolabs (US)

Creative Bioarray (US)

Meiji Techno (US)

Promega Corporation (US)

PerkinElmer (US)

Tecan Trading AG (Switzerland)

CELLINK (US)

QIAGEN (Germany)

Corning Incorporated (US)

10x Genomics (US)

Illumina (US)

Research Coverage:

This report provides a detailed picture of the global cell analysis market. It aims at estimating the size and future growth potential of the market across different segments, such as product & service, technique, process, end user, and region. The report also analyzes factors (such as drivers, restraints, and opportunities) affecting the market growth. It evaluates the opportunities in the market for stakeholders and provides details of the competitive landscape for market leaders. The report also studies micromarkets with respect to their growth trends, prospects, and contributions to the total cell analysis market. The report forecasts the revenue of the market segments with respect to four major regions.

Reasons to Buy the Report:

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on cell analysis offered by the top 25 players in the cell analysis market. The report analyses the cell analysis market by product & service, technique, process, end user, and region.

Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the markets for various cell analysis across key geographic regions.

Analysis of key drivers (rising preference for cell-based assays in drug discovery, increasing funding for cell-based research, and growing number of drug discovery activities), **restraints** (high cost of instruments and restrictions on reagent use), and **opportunities** (high growth potential of single-cell sequencing, growing applications of cell-based assays in chronic diseases and personalized medicine).

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the cell analysis market.

Competitive Assessment: In-depth assessment of market ranking and strategies of the leading players in the cell analysis market.

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