

Cell Analysis Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Report description:

Market Overview:

The global cell analysis market size reached US\$ 19.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 31.1 Billion by 2028, exhibiting a growth rate (CAGR) of 8.7% during 2023-2028.

Cell analysis refers to an umbrella term for a wide variety of technologies that are utilized to study genetic and phenotypical characteristics of a cell. Its objective is to gain insights into the mechanisms of cellular functionality that requires an understanding of the cellular components, such as the DNA, RNA, protein content and cellular metabolites. Cell analysis is typically done to understand population heterogeneity, identifying minority sub-populations of interest, as well as discovering unique characteristics of individual cells. It further aids in gene and protein identification, and epigenomics, as well as understanding the factors that underlie cell health, proliferation and death.

Cell analysis is utilized across academic and research laboratories, hospitals, and biotechnology and pharmaceutical, for studying stem cells, immunology, neurology, non-invasive prenatal diagnosis and in-vitro fertilization. Furthermore, the rising prevalence of chronic diseases, along with the development of advanced therapies for the treatment of cancer, are encouraging technological advancements in cell analysis. For instance, Fluidigm Corporation, a US-based company, announced the introduction of a REAP-seq (RNA expression and protein sequencing) that will help researchers to understand the mechanisms of cancer progression and immune response. The increasing investments by governments of several nations in extensive research and development (R&D) activities in the life science sector are acting as another major growth-inducing factor. Other factors, such as the rapid expansion of the biopharmaceutical and biotechnological companies and significant growth in the healthcare industry, are expected to further create a positive outlook for the market.

Key Market Segmentation:

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IMARC Group provides an analysis of the key trends in each sub-segment of the global cell analysis market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, analysis type, techniques and end-user.

Breakup by Product:

- Flow Cytometry Products
- qPCR Products
- Cell Microarrays
- Microscopes
- Spectrophotometers
- Cell Counters
- HCS Systems
- Others

Breakup by Analysis Type:

- Cell Identification
- Cell Viability
- Cell Signaling Pathways/Signal Transduction
- Cell Proliferation
- Cell Counting and Quality Control
- Cell Interaction
- Target Identification and Validation
- Single-Cell Analysis
- Others

Breakup by Techniques:

- Molecular Approaches
- Image-Based Approaches

Breakup by End-User:

- Pharmaceutical and Biotechnology Companies and CROs
- Hospitals and Diagnostic Laboratories
- Research Institutes
- Cell Culture Collection Repositories
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia Pacific
- China

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Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Agilent Technologies Inc., BD Biosciences, Bio-RAD Laboratories Inc., Danaher Corporation, Illumina Inc., Merck KGaA, Miltenyi Biotec, Olympus Corporation, PerkinElmer Inc., Promega Corporation, Sysmex Corporation, Thermo Fisher Scientific, etc.

Key Questions Answered in This Report

1. What was the size of the global cell analysis market in 2022?
2. What is the expected growth rate of the global cell analysis market during 2023-2028?
3. What are the key factors driving the global cell analysis market?
4. What has been the impact of COVID-19 on the global cell analysis market?
5. What is the breakup of the global cell analysis market based on the product?
6. What is the breakup of the global cell analysis market based on the analysis type?
7. What is the breakup of the global cell analysis market based on the techniques?
8. What is the breakup of the global cell analysis market based on the end-user?
9. What are the key regions in the global cell analysis market?
10. Who are the key players/companies in the global cell analysis market?

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