

Global Cell Analysis Market Size study & Forecast, by Technique (Flow cytometry, Mass Spectrometry, Next Generation Sequencing (NGS), Polymerase Chain Reaction (PCR), Others), by Application (Oncology, Immunology, Cardiology, Genetic Disease, Stem Cells and Others), by Product (Consumables, Services, Instruments and Software), by End User (Biotechnology and Pharmaceutical Companies, Hospitals and Diagnostic Laboratories, Academic and Research Laboratories and Others) and Regional Analysis, 2023-2030

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Abstracts

Global Cell Analysis Market is valued at approximately USD 17.1 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 9.5% over the forecast period 2023-2030. Cell analysis is the study of the properties, functions, and behavior of cells using various techniques and technologies. This field of study is essential to understanding the complex processes that occur within living organisms, and it has important applications in medicine, biotechnology, and other areas of research. The Cell Analysis market is expanding because of factors such as the increasing prevalence of chronic and cardiovascular diseases, growing geriatric population and the growing focus on personalized medicines.

The prevalence of chronic diseases, such as autoimmune disorders, cardiovascular diseases, and neurological disorders among others, has increased, and this is the main factor driving the cell analysis market. Cell analysis is occasionally used to discover

treatments for chronic illnesses. Cell analysis is used to identify potential medications and treatments as well as to investigate the genetic and molecular causes of chronic disorders. According to a report of the United States Renal Data System (USRDS), as of the year 2021, around 786,000 people in the U.S. are suffering from End-stage Kidney Disease (ESKD), and this number is projected to reach 886,000 by the year 2030. Furthermore, A survey from the International Diabetes Federation anticipates that there were around 74,194.7 thousand cases of diabetes in India by the year 2021., these number is anticipated to rise to 92,973.7 thousand cases by 2030. Furthermore, according to Robert Wood Johnson Foundation, in the year 2020, the incidences of chronic illness in the United States stood at 157 million cases which is projected to increase and reach 171 million cases by the year 2030. Thus, the rising prevalence of chronic diseases across the globe is fostering market growth. In addition, the rise in advancements in cell analysis, and the surge in R&D activities in the pharmaceutical and biotechnology industry is creating lucrative growth in the market. However, the high cost of Cell Analysis stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Cell Analysis Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the dominance of key market players, rising prevalence of chronic diseases in the region, and rising healthcare expenditure. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as rising old age populations, rising prevalence of diabetes, increase in the number of collaborations and partnership for product development, geographic expansion of key players, and rising government investment in healthcare industry in the region.

Major market player included in this report are:

Agilent Technologies, Inc.

Becton, Dickinson and Company

Biomerieux SA

Bio-Rad Laboratories, Inc.

Danaher Corporation

Sartorius AG

Illumina, Inc.

Thermo Fisher Scientific, Inc.

Qiagen N.V.

Standard BioTools Inc.

Recent Developments in the Market:

In July 2022, Mission Bio, Inc. unveiled a single-cell Multi-omics MRD (scMRD) assay to detect detectable residual disease (MRD) in cancer down to the level of individual cells and prevent recurrence in patients with acute myeloid leukaemia and other cancers. These tests, however, are only able to do one kind of measurement at a time, such as flow cytometry for immunophenotyping or bulk sequencing for mutation identification. In January 2021, Bi-Rad has disclosed a US\$ 10 million investment in Encodia, Inc., a producer of single-molecule detection-based protein analysis solutions. The investment was a component of a larger strategic alliance between the two businesses to create and market novel protein analysis technologies.

Global Cell Analysis Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Technique, Application, Product, End User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Technique offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technique:

Flow cytometry

Mass Spectrometry

Next Generation Sequencing (NGS)

Polymerase Chain Reaction (PCR)

Others

By Application:

Oncology
Immunology
Cardiology
Genetic Disease
Stem Cells
Others

By Product:

Consumables
Services
Instruments
Software

By End User:

Biotechnology and Pharmaceutical Companies
Hospitals and Diagnostic Laboratories
Academic and Research Laboratories
Others

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan

Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

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