

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

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Cell Analysis Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Cell Analysis Market, by Technique, 2020-2030 (USD Billion)
 - 1.2.3. Cell Analysis Market, by Application, 2020-2030 (USD Billion)
 - 1.2.4. Cell Analysis Market, by Product, 2020-2030 (USD Billion)
 - 1.2.5. Cell Analysis Market, by End User, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL CELL ANALYSIS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL CELL ANALYSIS MARKET DYNAMICS

- 3.1. Cell Analysis Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing prevalence of chronic and cardiovascular diseases
 - 3.1.1.2. Growing Geriatric Population
 - 3.1.1.3. Growing focus on personalized medicines
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Cost of Cell Analysis
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rise in advancements in cell analysis
 - 3.1.3.2. surge in R&D activities in the pharmaceutical and biotechnology industry

CHAPTER 4. GLOBAL CELL ANALYSIS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL CELL ANALYSIS MARKET, BY TECHNIQUE

- 5.1. Market Snapshot
- 5.2. Global Cell Analysis Market by Technique, Performance - Potential Analysis
- 5.3. Global Cell Analysis Market Estimates & Forecasts by Technique 2020-2030 (USD Billion)
- 5.4. Cell Analysis Market, Sub Segment Analysis
 - 5.4.1. Flow cytometry
 - 5.4.2. Mass Spectrometry
 - 5.4.3. Next Generation Sequencing (NGS)
 - 5.4.4. Polymerase Chain Reaction (PCR)
 - 5.4.5. Others

CHAPTER 6. GLOBAL CELL ANALYSIS MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Cell Analysis Market by Application, Performance - Potential Analysis
- 6.3. Global Cell Analysis Market Estimates & Forecasts by Application 2020-2030 (USD

Billion)

6.4. Cell Analysis Market, Sub Segment Analysis

- 6.4.1. Oncology
- 6.4.2. Immunology
- 6.4.3. Cardiology
- 6.4.4. Genetic Disease
- 6.4.5. Stem Cells
- 6.4.6. Others

CHAPTER 7. GLOBAL CELL ANALYSIS MARKET, BY PRODUCT

7.1. Market Snapshot

7.2. Global Cell Analysis Market by Product, Performance - Potential Analysis

7.3. Global Cell Analysis Market Estimates & Forecasts by Product 2020-2030 (USD Billion)

7.4. Cell Analysis Market, Sub Segment Analysis

- 7.4.1. Consumables
- 7.4.2. Services
- 7.4.3. Instruments
- 7.4.4. Software

CHAPTER 8. GLOBAL CELL ANALYSIS MARKET, BY END USER

8.1. Market Snapshot

8.2. Global Cell Analysis Market by End User, Performance - Potential Analysis

8.3. Global Cell Analysis Market Estimates & Forecasts by End User 2020-2030 (USD Billion)

8.4. Cell Analysis Market, Sub Segment Analysis

- 8.4.1. Biotechnology and Pharmaceutical Companies
- 8.4.2. Hospitals and Diagnostic Laboratories
- 8.4.3. Academic and Research Laboratories
- 8.4.4. Others

CHAPTER 9. GLOBAL CELL ANALYSIS MARKET, REGIONAL ANALYSIS

9.1. Top Leading Countries

9.2. Top Emerging Countries

9.3. Cell Analysis Market, Regional Market Snapshot

9.4. North America Cell Analysis Market

- 9.4.1. U.S. Cell Analysis Market
 - 9.4.1.1. Technique breakdown estimates & forecasts, 2020-2030
 - 9.4.1.2. Application breakdown estimates & forecasts, 2020-2030
 - 9.4.1.3. Product breakdown estimates & forecasts, 2020-2030
 - 9.4.1.4. End User breakdown estimates & forecasts, 2020-2030
- 9.4.2. Canada Cell Analysis Market
- 9.5. Europe Cell Analysis Market Snapshot
 - 9.5.1. U.K. Cell Analysis Market
 - 9.5.2. Germany Cell Analysis Market
 - 9.5.3. France Cell Analysis Market
 - 9.5.4. Spain Cell Analysis Market
 - 9.5.5. Italy Cell Analysis Market
 - 9.5.6. Rest of Europe Cell Analysis Market
- 9.6. Asia-Pacific Cell Analysis Market Snapshot
 - 9.6.1. China Cell Analysis Market
 - 9.6.2. India Cell Analysis Market
 - 9.6.3. Japan Cell Analysis Market
 - 9.6.4. Australia Cell Analysis Market
 - 9.6.5. South Korea Cell Analysis Market
 - 9.6.6. Rest of Asia Pacific Cell Analysis Market
- 9.7. Latin America Cell Analysis Market Snapshot
 - 9.7.1. Brazil Cell Analysis Market
 - 9.7.2. Mexico Cell Analysis Market
- 9.8. Middle East & Africa Cell Analysis Market
 - 9.8.1. Saudi Arabia Cell Analysis Market
 - 9.8.2. South Africa Cell Analysis Market
 - 9.8.3. Rest of Middle East & Africa Cell Analysis Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. Agilent Technologies, Inc.
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview

- 10.3.1.3. Financial (Subject to Data Availability)
 - 10.3.1.4. Product Summary
 - 10.3.1.5. Recent Developments
 - 10.3.2. Becton, Dickinson and Company
 - 10.3.3. Biomerieux SA
 - 10.3.4. Bio-Rad Laboratories, Inc.
 - 10.3.5. Danaher Corporation
 - 10.3.6. Sartorius AG
 - 10.3.7. Illumina, Inc.
 - 10.3.8. Thermo Fisher Scientific, Inc.
 - 10.3.9. Qiagen N.V.
 - 10.3.10. Standard BioTools Inc.
- Research Process
- 10.4. Research Process
 - 10.4.1. Data Mining
 - 10.4.2. Analysis
 - 10.4.3. Market Estimation
 - 10.4.4. Validation
 - 10.4.5. Publishing
 - 10.5. Research Attributes
 - 10.6. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Cell Analysis Market, report scope

TABLE 2. Global Cell Analysis Market estimates & forecasts by Region 2020-2030
(USD Billion)

TABLE 3. Global Cell Analysis Market estimates & forecasts by Technique 2020-2030
(USD Billion)

TABLE 4. Global Cell Analysis Market estimates & forecasts by Application 2020-2030
(USD Billion)

TABLE 5. Global Cell Analysis Market estimates & forecasts by Product 2020-2030
(USD Billion)

TABLE 6. Global Cell Analysis Market estimates & forecasts by End User 2020-2030
(USD Billion)

TABLE 7. Global Cell Analysis Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 8. Global Cell Analysis Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 9. Global Cell Analysis Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 10. Global Cell Analysis Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 11. Global Cell Analysis Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 12. Global Cell Analysis Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 13. Global Cell Analysis Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 14. Global Cell Analysis Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 15. Global Cell Analysis Market by segment, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 16. Global Cell Analysis Market by region, estimates & forecasts, 2020-2030
(USD Billion)

TABLE 17. U.S. Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 18. U.S. Cell Analysis Market estimates & forecasts by segment 2020-2030
(USD Billion)

TABLE 19. U.S. Cell Analysis Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 20. Canada Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 21. Canada Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. Canada Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 24. UK Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. UK Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 27. Germany Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. Germany Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 30. France Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. France Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 33. Italy Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Italy Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 36. Spain Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. Spain Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 39. RoE Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 40. RoE Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 42. China Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 43. China Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 45. India Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 46. India Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 48. Japan Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 49. Japan Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 51. South Korea Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 52. South Korea Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 54. Australia Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 55. Australia Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 57. RoAPAC Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 58. RoAPAC Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 60. Brazil Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Brazil Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 63. Mexico Cell Analysis Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 64. Mexico Cell Analysis Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 65. RoLA Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 66. RoLA Cell Analysis Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 67. RoLA Cell Analysis Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 68. Saudi Arabia Cell Analysis Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 69. South Africa Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. RoMEA Cell Analysis Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 71. List of secondary sources, used in the study of global Cell Analysis Market

TABLE 72. List of primary sources, used in the study of global Cell Analysis Market

TABLE 73. Years considered for the study

TABLE 74. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Cell Analysis Market, research methodology
 - FIG 2. Global Cell Analysis Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Cell Analysis Market, key trends 2022
 - FIG 5. Global Cell Analysis Market, growth prospects 2023-2030
 - FIG 6. Global Cell Analysis Market, porters 5 force model
 - FIG 7. Global Cell Analysis Market, pest analysis
 - FIG 8. Global Cell Analysis Market, value chain analysis
 - FIG 9. Global Cell Analysis Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Cell Analysis Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Cell Analysis Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Cell Analysis Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Cell Analysis Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Cell Analysis Market, regional snapshot 2020 & 2030
 - FIG 15. North America Cell Analysis Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Cell Analysis Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific Cell Analysis Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Cell Analysis Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Cell Analysis Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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