

Cell Analysis Market By Product (Consumables, Services, Instruments, Software), 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 End User (Biotechnology and Pharmaceutical Companies, Hospitals and Diagnostic Laboratories, Academic and Research Laboratories, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

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Report description:

The Cell Analysis Market was valued at \$17.1 billion in 2022 and is estimated to reach \$42.9 billion by 2032, exhibiting a CAGR of 9.5% from 2023 to 2032. Cell analysis is used to observe and study the structure, composition, and behavior of individual cells. It involves the use of various techniques such as microscopy, flow cytometry, spectrophotometry, and immunoassay to obtain information about the health and activity of cells. It can be used to detect and diagnose diseases, monitor the response to treatments, and investigate the mechanisms of cellular functions.

The major factors that drive the growth of the market are the rise in technological advancement in cell analysis and an increase in the prevalence of chronic diseases such as cancer and genetic disorders. For instance, according to World Health Organization, cancer is a leading cause of death worldwide, which accounted for nearly 10 million deaths in 2020. Breast cancer accounted for the highest number of cases in 2020, with 2.26 million cases, followed by lung cancer with 2.21 million cases. The most common causes of cancer death in 2020 were lung cancer with 1.80 million deaths followed by colon and rectum cancer with 916,000 cases. In addition, the surge in R&D activities in the pharmaceutical & biotechnology industry and rise in focus on personalized

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medicines further propel the market growth. However, high cost of cell analysis products and the dearth of skilled professionals are anticipated to hamper the market growth in the upcoming years. Conversely, the high growth potential of single-cell sequencing is expected to provide numerous opportunities for market growth during the forecast period.□□

The cell analysis market is segmented into product, application, technique, end user, and region. By product, the market is bifurcated into consumables, software, services, and instruments. By application, it is segregated into oncology, immunology, cardiology, stem cell, genetic disease, and others. By technique, the market is categorized into flow cytometry, next-generation sequencing (NGS), polymerase chain reaction (PCR), mass spectrometry, and others. On the basis of end-user, it is divided into academic & research laboratories, biotechnology & pharmaceutical companies, hospitals & diagnostic laboratories, and others. Region-wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.□□

The major companies profiled in the report include Becton, Dickinson and Company, Danaher Corporation, QIAGEN N.V., Thermo Fisher Scientific, Inc., Illumina, Inc., Bio-Rad Laboratories, Agilent Technologies, Inc., Sartorius AG, Biomerieux SA, and Standard BioTools Inc. Key players operating in the market have adopted product launch, product approval, and collaboration as their key strategies to expand their corporate training market share.□

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the cell analysis market analysis from 2022 to 2032 to identify the prevailing cell analysis market opportunities.
- Market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders to make profit-oriented business decisions and strengthen their supplier-buyer network.
- An in-depth analysis of the cell analysis market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global cell analysis market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

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

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- Academic and Research Laboratories

- Others

By Region

- North America

- U.S.

- Canada

- Mexico

- Europe

- Germany

- France

- UK

- Italy

- Spain

- Rest of Europe

- Asia-Pacific

- Japan

- China

- Australia

- South Korea

- India

- Rest of Asia-Pacific

- LAMEA

- Brazil

- Saudi Arabia

- South Africa

- Rest of LAMEA

- Key Market Players

- Agilent Technologies, Inc.

- Becton, Dickinson and Company

- Biomerieux SA

- Bio-Rad Laboratories, Inc.□

- Danaher Corporation

- Illumina, Inc.

- Qiagen N.V.

- Sartorius AG

- Standard BioTools Inc.

- Thermo Fisher Scientific, Inc.

Table of Contents:

CHAPTER 1: INTRODUCTION

1.1. Report description

1.2. Key market segments

1.3. Key benefits to the stakeholders

1.4. Research Methodology

1.4.1. Primary research

1.4.2. Secondary research

1.4.3. Analyst tools and models

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CHAPTER 2: EXECUTIVE SUMMARY

2.1. CXO Perspective

CHAPTER 3: MARKET OVERVIEW

3.1. Market definition and scope

3.2. Key findings

3.2.1. Top impacting factors

3.2.2. Top investment pockets

3.3. Porter's five forces analysis

3.3.1. Bargaining power of suppliers

3.3.2. Bargaining power of buyers

3.3.3. Threat of substitutes

3.3.4. Threat of new entrants

3.3.5. Intensity of rivalry

3.4. Market dynamics

3.4.1. Drivers

3.4.1.1. Increase in prevalence of chronic disease

3.4.1.2. Advancement in cell analysis technology

3.4.1.3. Surge in popularity of personalized medicine approach

3.4.2. Restraints

3.4.2.1. High cost of single cell analysis

3.4.3. Opportunities

3.4.3.1. High growth potential of Single cell sequencing

3.5. COVID-19 Impact Analysis on the market

CHAPTER 4: CELL ANALYSIS MARKET, BY PRODUCT

4.1. Overview

4.1.1. Market size and forecast

4.2. Consumables

4.2.1. Key market trends, growth factors and opportunities

4.2.2. Market size and forecast, by region

4.2.3. Market share analysis by country

4.3. Services

4.3.1. Key market trends, growth factors and opportunities

4.3.2. Market size and forecast, by region

4.3.3. Market share analysis by country

4.4. Instruments

4.4.1. Key market trends, growth factors and opportunities

4.4.2. Market size and forecast, by region

4.4.3. Market share analysis by country

4.5. Software

4.5.1. Key market trends, growth factors and opportunities

4.5.2. Market size and forecast, by region

4.5.3. Market share analysis by country

CHAPTER 5: CELL ANALYSIS MARKET, BY TECHNIQUE

5.1. Overview

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- 5.1.1. Market size and forecast
- 5.2. Flow cytometry
 - 5.2.1. Key market trends, growth factors and opportunities
 - 5.2.2. Market size and forecast, by region
 - 5.2.3. Market share analysis by country
- 5.3. Mass Spectrometry
 - 5.3.1. Key market trends, growth factors and opportunities
 - 5.3.2. Market size and forecast, by region
 - 5.3.3. Market share analysis by country
- 5.4. Next Generation Sequencing (NGS)
 - 5.4.1. Key market trends, growth factors and opportunities
 - 5.4.2. Market size and forecast, by region
 - 5.4.3. Market share analysis by country
- 5.5. Polymerase Chain Reaction (PCR)
 - 5.5.1. Key market trends, growth factors and opportunities
 - 5.5.2. Market size and forecast, by region
 - 5.5.3. Market share analysis by country
- 5.6. Others
 - 5.6.1. Key market trends, growth factors and opportunities
 - 5.6.2. Market size and forecast, by region
 - 5.6.3. Market share analysis by country

CHAPTER 6: CELL ANALYSIS MARKET, BY APPLICATION

- 6.1. Overview
 - 6.1.1. Market size and forecast
- 6.2. Oncology
 - 6.2.1. Key market trends, growth factors and opportunities
 - 6.2.2. Market size and forecast, by region
 - 6.2.3. Market share analysis by country
- 6.3. Immunology
 - 6.3.1. Key market trends, growth factors and opportunities
 - 6.3.2. Market size and forecast, by region
 - 6.3.3. Market share analysis by country
- 6.4. Cardiology
 - 6.4.1. Key market trends, growth factors and opportunities
 - 6.4.2. Market size and forecast, by region
 - 6.4.3. Market share analysis by country
- 6.5. Genetic Disease
 - 6.5.1. Key market trends, growth factors and opportunities
 - 6.5.2. Market size and forecast, by region
 - 6.5.3. Market share analysis by country
- 6.6. Stem Cells
 - 6.6.1. Key market trends, growth factors and opportunities
 - 6.6.2. Market size and forecast, by region
 - 6.6.3. Market share analysis by country
- 6.7. Others
 - 6.7.1. Key market trends, growth factors and opportunities
 - 6.7.2. Market size and forecast, by region

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6.7.3. Market share analysis by country

CHAPTER 7: CELL ANALYSIS MARKET, BY END USER

7.1. Overview

7.1.1. Market size and forecast

7.2. Biotechnology and Pharmaceutical Companies

7.2.1. Key market trends, growth factors and opportunities

7.2.2. Market size and forecast, by region

7.2.3. Market share analysis by country

7.3. Hospitals and Diagnostic Laboratories

7.3.1. Key market trends, growth factors and opportunities

7.3.2. Market size and forecast, by region

7.3.3. Market share analysis by country

7.4. Academic and Research Laboratories

7.4.1. Key market trends, growth factors and opportunities

7.4.2. Market size and forecast, by region

7.4.3. Market share analysis by country

7.5. Others

7.5.1. Key market trends, growth factors and opportunities

7.5.2. Market size and forecast, by region

7.5.3. Market share analysis by country

CHAPTER 8: CELL ANALYSIS MARKET, BY REGION

8.1. Overview

8.1.1. Market size and forecast By Region

8.2. North America

8.2.1. Key trends and opportunities

8.2.2. Market size and forecast, by Product

8.2.3. Market size and forecast, by Technique

8.2.4. Market size and forecast, by Application

8.2.5. Market size and forecast, by End User

8.2.6. Market size and forecast, by country

8.2.6.1. U.S.

8.2.6.1.1. Key market trends, growth factors and opportunities

8.2.6.1.2. Market size and forecast, by Product

8.2.6.1.3. Market size and forecast, by Technique

8.2.6.1.4. Market size and forecast, by Application

8.2.6.1.5. Market size and forecast, by End User

8.2.6.2. Canada

8.2.6.2.1. Key market trends, growth factors and opportunities

8.2.6.2.2. Market size and forecast, by Product

8.2.6.2.3. Market size and forecast, by Technique

8.2.6.2.4. Market size and forecast, by Application

8.2.6.2.5. Market size and forecast, by End User

8.2.6.3. Mexico

8.2.6.3.1. Key market trends, growth factors and opportunities

8.2.6.3.2. Market size and forecast, by Product

8.2.6.3.3. Market size and forecast, by Technique

8.2.6.3.4. Market size and forecast, by Application

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- 8.2.6.3.5. Market size and forecast, by End User
- 8.3. Europe
 - 8.3.1. Key trends and opportunities
 - 8.3.2. Market size and forecast, by Product
 - 8.3.3. Market size and forecast, by Technique
 - 8.3.4. Market size and forecast, by Application
 - 8.3.5. Market size and forecast, by End User
 - 8.3.6. Market size and forecast, by country
 - 8.3.6.1. Germany
 - 8.3.6.1.1. Key market trends, growth factors and opportunities
 - 8.3.6.1.2. Market size and forecast, by Product
 - 8.3.6.1.3. Market size and forecast, by Technique
 - 8.3.6.1.4. Market size and forecast, by Application
 - 8.3.6.1.5. Market size and forecast, by End User
 - 8.3.6.2. France
 - 8.3.6.2.1. Key market trends, growth factors and opportunities
 - 8.3.6.2.2. Market size and forecast, by Product
 - 8.3.6.2.3. Market size and forecast, by Technique
 - 8.3.6.2.4. Market size and forecast, by Application
 - 8.3.6.2.5. Market size and forecast, by End User
 - 8.3.6.3. UK
 - 8.3.6.3.1. Key market trends, growth factors and opportunities
 - 8.3.6.3.2. Market size and forecast, by Product
 - 8.3.6.3.3. Market size and forecast, by Technique
 - 8.3.6.3.4. Market size and forecast, by Application
 - 8.3.6.3.5. Market size and forecast, by End User
 - 8.3.6.4. Italy
 - 8.3.6.4.1. Key market trends, growth factors and opportunities
 - 8.3.6.4.2. Market size and forecast, by Product
 - 8.3.6.4.3. Market size and forecast, by Technique
 - 8.3.6.4.4. Market size and forecast, by Application
 - 8.3.6.4.5. Market size and forecast, by End User
 - 8.3.6.5. Spain
 - 8.3.6.5.1. Key market trends, growth factors and opportunities
 - 8.3.6.5.2. Market size and forecast, by Product
 - 8.3.6.5.3. Market size and forecast, by Technique
 - 8.3.6.5.4. Market size and forecast, by Application
 - 8.3.6.5.5. Market size and forecast, by End User
 - 8.3.6.6. Rest of Europe
 - 8.3.6.6.1. Key market trends, growth factors and opportunities
 - 8.3.6.6.2. Market size and forecast, by Product
 - 8.3.6.6.3. Market size and forecast, by Technique
 - 8.3.6.6.4. Market size and forecast, by Application
 - 8.3.6.6.5. Market size and forecast, by End User
- 8.4. Asia-Pacific
 - 8.4.1. Key trends and opportunities
 - 8.4.2. Market size and forecast, by Product

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- 8.4.3. Market size and forecast, by Technique
- 8.4.4. Market size and forecast, by Application
- 8.4.5. Market size and forecast, by End User
- 8.4.6. Market size and forecast, by country
 - 8.4.6.1. Japan
 - 8.4.6.1.1. Key market trends, growth factors and opportunities
 - 8.4.6.1.2. Market size and forecast, by Product
 - 8.4.6.1.3. Market size and forecast, by Technique
 - 8.4.6.1.4. Market size and forecast, by Application
 - 8.4.6.1.5. Market size and forecast, by End User
 - 8.4.6.2. China
 - 8.4.6.2.1. Key market trends, growth factors and opportunities
 - 8.4.6.2.2. Market size and forecast, by Product
 - 8.4.6.2.3. Market size and forecast, by Technique
 - 8.4.6.2.4. Market size and forecast, by Application
 - 8.4.6.2.5. Market size and forecast, by End User
 - 8.4.6.3. Australia
 - 8.4.6.3.1. Key market trends, growth factors and opportunities
 - 8.4.6.3.2. Market size and forecast, by Product
 - 8.4.6.3.3. Market size and forecast, by Technique
 - 8.4.6.3.4. Market size and forecast, by Application
 - 8.4.6.3.5. Market size and forecast, by End User
 - 8.4.6.4. South Korea
 - 8.4.6.4.1. Key market trends, growth factors and opportunities
 - 8.4.6.4.2. Market size and forecast, by Product
 - 8.4.6.4.3. Market size and forecast, by Technique
 - 8.4.6.4.4. Market size and forecast, by Application
 - 8.4.6.4.5. Market size and forecast, by End User
 - 8.4.6.5. India
 - 8.4.6.5.1. Key market trends, growth factors and opportunities
 - 8.4.6.5.2. Market size and forecast, by Product
 - 8.4.6.5.3. Market size and forecast, by Technique
 - 8.4.6.5.4. Market size and forecast, by Application
 - 8.4.6.5.5. Market size and forecast, by End User
 - 8.4.6.6. Rest of Asia-Pacific
 - 8.4.6.6.1. Key market trends, growth factors and opportunities
 - 8.4.6.6.2. Market size and forecast, by Product
 - 8.4.6.6.3. Market size and forecast, by Technique
 - 8.4.6.6.4. Market size and forecast, by Application
 - 8.4.6.6.5. Market size and forecast, by End User
- 8.5. LAMEA
 - 8.5.1. Key trends and opportunities
 - 8.5.2. Market size and forecast, by Product
 - 8.5.3. Market size and forecast, by Technique
 - 8.5.4. Market size and forecast, by Application
 - 8.5.5. Market size and forecast, by End User
 - 8.5.6. Market size and forecast, by country

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- 8.5.6.1. Brazil
 - 8.5.6.1.1. Key market trends, growth factors and opportunities
 - 8.5.6.1.2. Market size and forecast, by Product
 - 8.5.6.1.3. Market size and forecast, by Technique
 - 8.5.6.1.4. Market size and forecast, by Application
 - 8.5.6.1.5. Market size and forecast, by End User
- 8.5.6.2. Saudi Arabia
 - 8.5.6.2.1. Key market trends, growth factors and opportunities
 - 8.5.6.2.2. Market size and forecast, by Product
 - 8.5.6.2.3. Market size and forecast, by Technique
 - 8.5.6.2.4. Market size and forecast, by Application
 - 8.5.6.2.5. Market size and forecast, by End User
- 8.5.6.3. South Africa
 - 8.5.6.3.1. Key market trends, growth factors and opportunities
 - 8.5.6.3.2. Market size and forecast, by Product
 - 8.5.6.3.3. Market size and forecast, by Technique
 - 8.5.6.3.4. Market size and forecast, by Application
 - 8.5.6.3.5. Market size and forecast, by End User
- 8.5.6.4. Rest of LAMEA
 - 8.5.6.4.1. Key market trends, growth factors and opportunities
 - 8.5.6.4.2. Market size and forecast, by Product
 - 8.5.6.4.3. Market size and forecast, by Technique
 - 8.5.6.4.4. Market size and forecast, by Application
 - 8.5.6.4.5. Market size and forecast, by End User

CHAPTER 9: COMPETITIVE LANDSCAPE

- 9.1. Introduction
- 9.2. Top winning strategies
- 9.3. Product Mapping of Top 10 Player
- 9.4. Competitive Dashboard
- 9.5. Competitive Heatmap
- 9.6. Top player positioning, 2022

CHAPTER 10: COMPANY PROFILES

- 10.1. Agilent Technologies, Inc.
 - 10.1.1. Company overview
 - 10.1.2. Key Executives
 - 10.1.3. Company snapshot
 - 10.1.4. Operating business segments
 - 10.1.5. Product portfolio
 - 10.1.6. Business performance
 - 10.1.7. Key strategic moves and developments
- 10.2. Becton, Dickinson and Company
 - 10.2.1. Company overview
 - 10.2.2. Key Executives
 - 10.2.3. Company snapshot
 - 10.2.4. Operating business segments
 - 10.2.5. Product portfolio
 - 10.2.6. Business performance

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- 10.2.7. Key strategic moves and developments
- 10.3. Biomerieux SA
 - 10.3.1. Company overview
 - 10.3.2. Key Executives
 - 10.3.3. Company snapshot
 - 10.3.4. Operating business segments
 - 10.3.5. Product portfolio
 - 10.3.6. Business performance
 - 10.3.7. Key strategic moves and developments
- 10.4. Bio-Rad Laboratories, Inc.
 - 10.4.1. Company overview
 - 10.4.2. Key Executives
 - 10.4.3. Company snapshot
 - 10.4.4. Operating business segments
 - 10.4.5. Product portfolio
 - 10.4.6. Business performance
 - 10.4.7. Key strategic moves and developments
- 10.5. Danaher Corporation
 - 10.5.1. Company overview
 - 10.5.2. Key Executives
 - 10.5.3. Company snapshot
 - 10.5.4. Operating business segments
 - 10.5.5. Product portfolio
 - 10.5.6. Business performance
 - 10.5.7. Key strategic moves and developments
- 10.6. Sartorius AG
 - 10.6.1. Company overview
 - 10.6.2. Key Executives
 - 10.6.3. Company snapshot
 - 10.6.4. Operating business segments
 - 10.6.5. Product portfolio
 - 10.6.6. Business performance
 - 10.6.7. Key strategic moves and developments
- 10.7. Illumina, Inc.
 - 10.7.1. Company overview
 - 10.7.2. Key Executives
 - 10.7.3. Company snapshot
 - 10.7.4. Operating business segments
 - 10.7.5. Product portfolio
 - 10.7.6. Business performance
 - 10.7.7. Key strategic moves and developments
- 10.8. Thermo Fisher Scientific, Inc.
 - 10.8.1. Company overview
 - 10.8.2. Key Executives
 - 10.8.3. Company snapshot
 - 10.8.4. Operating business segments
 - 10.8.5. Product portfolio

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- 10.8.6. Business performance
- 10.9. Qiagen N.V.
 - 10.9.1. Company overview
 - 10.9.2. Key Executives
 - 10.9.3. Company snapshot
 - 10.9.4. Operating business segments
 - 10.9.5. Product portfolio
 - 10.9.6. Business performance
 - 10.9.7. Key strategic moves and developments
- 10.10. Standard BioTools Inc.
 - 10.10.1. Company overview
 - 10.10.2. Key Executives
 - 10.10.3. Company snapshot
 - 10.10.4. Operating business segments
 - 10.10.5. Product portfolio
 - 10.10.6. Business performance
 - 10.10.7. Key strategic moves and developments

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