

Single Cell Analysis Market By Product (Consumables, Instruments), By Techniques (Flow Cytometry, Next Generation Sequencing (NGS), Polymerase Chain Reaction (PCR), Mass Spectrometry, Others), By End User (Academic and Research Laboratories, Biotechnology and Pharmaceutical Companies, Hospitals and Diagnostic Laboratories, Others), By Application (Oncology, Immunology, Neurology, Stem cell, Non-Invasive Prenatal Diagnosis, In-Vitro Fertilization (IVF), Others):

Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-07-01 | 270 pages | Allied Market Research

#### **AVAILABLE LICENSES:**

- Cloud Access License \$3110.40
- Business User License \$5238.00
- Enterprise License \$8640.00

### Report description:

The global single cell analysis market was valued at \$2,641.5 million in 2021, and is projected to reach \$13,616.76 million by 2031, registering a CAGR of 17.8% from 2022 to 2031.

Single-cell analysis (SCA) is essential in order to show population heterogeneity, identify minority sub-populations of interest, and learn about the particular traits of individual cells. Microfluidic systems are useful for manipulating single cells since they operate at a scale similar to cell diameter. A microfluidic array capable of quickly and deterministically trapping individual cells in densely packed microwells. This trapping array can be linked with multiple microfluidic sample processing units with variable flow rates for various single-cell studies because the single-cell trapping efficiency is dictated by the channel design rather than the flow rate. SCA is also commonly used in plant biology, prenatal diagnostics, microbiology, immunology, and neuroscience.

The major factors that drive the growth of the global single cell analysis market include technological advancement in single cell analysis and increase in  $\square R\&D$  in pharmaceutical and biotechnology industry. In addition, growth in stem cell research, growing focus on personalized medicines and surge in prevalence of cancer further propel the market growth. However, high cost of single

www.scotts-international.com

cell analysis products is expected to restrain the growth of the single cell analysis market during the forecast period. Conversely, high growth potential of single cell sequencing is anticipated to provide lucrative opportunities to the market players. The single cell analysis market is segmented into product, application, techniques, end user and region. According to product, the market is categorized into consumables and instruments. By application, it is segregated into oncology, immunology, neurology, stem cell, non-invasive prenatal diagnosis, In-vitro fertilization, others. According to techniques, the market is categorized into flow cytometry, next generation sequencing, polymerase chain reaction, mass spectrometry and others. On the basis of end user, it is segmented 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 the Becton, Dickinson and Company, Danaher Corporation, Merck KGAA, QIAGEN N.V., Thermo Fisher Scientific, Inc., 10x Genomics, Illumina, Inc., Bio-Rad Laboratories, Agilent Technologies, Inc., Sartorius AG, Takara Holdingsinc, Oxford Nanopore Technologies., Berkley Light INC., BGI Genomics Co.Ltd., Diasorin Group, Dolomite Bio, Standard Biotools.

Key Benefits For Stakeholders

- -This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the single cell analysis market analysis from 2021 to 2031 to identify the prevailing single cell analysis market opportunities.
- -The 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 make profit-oriented business decisions and strengthen their supplier-buyer network.
- -In-depth analysis of the single 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 single cell analysis market trends, key players, market segments, application areas, and market growth strategies.

**Key Market Segments** 

By Product

- Consumables
- Instruments

By Techniques

- Flow Cytometry
- Next Generation Sequencing (NGS)
- Polymerase Chain Reaction (PCR)
- Mass Spectrometry
- Others

By End User

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

By Application

- Oncology
- Immunology
- Neurology
- Stem cell
- Non-Invasive Prenatal Diagnosis
- In-Vitro Fertilization (IVF)
- Others

Scotts International, EU Vat number: PL 6772247784

## By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- U.K.
- Italy
- Spain
- Rest of Europe
- Asia-Pacific
- Japan
- China
- India
- Australia
- South Korea
- Rest of Asia-Pacific
- I AMFA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- 10x Genomics
- Agilent Technologies, Inc.
- Becton, Dickinson and Company
- Bio-Rad Laboratories
- Danaher Corporation(Cytiva Life Sciences)
- Illumina, Inc.
- BERKLEY LIGHTS INC
- BGI GENOMICS CO. LTD
- DIASORIN GROUP (LUMINEX CORPORATION)
- DOLOMITE BIO
- MERCK KGAA
- OXFORD NANAOPORE TECHNOLOGIES
- QIAGEN N.V
- Sartorius AG
- STANDARD BIOTOOLS (Fluidigm Corporation)
- TAKARA HOLDINGS INC
- THERMO FISHER SCIENTIFIC, INC.

## **Table of Contents:**

**CHAPTER 1:INTRODUCTION** 

- 1.1.Report description
- 1.2.Key market segments

Scotts International. EU Vat number: PL 6772247784

- 1.3. Key benefits to the stakeholders
- 1.4. Research Methodology
- 1.4.1.Secondary research
- 1.4.2. Primary research
- 1.4.3. Analyst tools and models

**CHAPTER 2:EXECUTIVE SUMMARY** 

- 2.1. Key findings of the study
- 2.2.CXO Perspective

**CHAPTER 3:MARKET OVERVIEW** 

- 3.1. Market definition and scope
- 3.2.Key findings
- 3.2.1.Top investment pockets
- 3.3. Porter's five forces analysis
- 3.4. Top player positioning
- 3.5. Market dynamics
- 3.5.1.Drivers
- 3.5.2.Restraints
- 3.5.3.Opportunities
- 3.6.COVID-19 Impact Analysis on the market

CHAPTER 4: SINGLE 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 analysis by country
- 4.3 Instruments
- 4.3.1 Key market trends, growth factors and opportunities
- 4.3.2 Market size and forecast, by region
- 4.3.3 Market analysis by country

CHAPTER 5: SINGLE CELL ANALYSIS MARKET, BY APPLICATION

- 5.1 Overview
- 5.1.1 Market size and forecast
- 5.2 Oncology
- 5.2.1 Key market trends, growth factors and opportunities
- 5.2.2 Market size and forecast, by region
- 5.2.3 Market analysis by country
- 5.3 Immunology
- 5.3.1 Key market trends, growth factors and opportunities
- 5.3.2 Market size and forecast, by region
- 5.3.3 Market analysis by country
- 5.4 Neurology
- 5.4.1 Key market trends, growth factors and opportunities
- 5.4.2 Market size and forecast, by region
- 5.4.3 Market analysis by country
- 5.5 Stem cell
- 5.5.1 Key market trends, growth factors and opportunities

Scotts International, EU Vat number: PL 6772247784

- 5.5.2 Market size and forecast, by region
- 5.5.3 Market analysis by country
- 5.6 Non-Invasive Prenatal Diagnosis
- 5.6.1 Key market trends, growth factors and opportunities
- 5.6.2 Market size and forecast, by region
- 5.6.3 Market analysis by country
- 5.7 In-Vitro Fertilization (IVF)
- 5.7.1 Key market trends, growth factors and opportunities
- 5.7.2 Market size and forecast, by region
- 5.7.3 Market analysis by country
- 5.8 Others
- 5.8.1 Key market trends, growth factors and opportunities
- 5.8.2 Market size and forecast, by region
- 5.8.3 Market analysis by country

#### CHAPTER 6: SINGLE CELL ANALYSIS MARKET, BY TECHNIQUES

- 6.1 Overview
- 6.1.1 Market size and forecast
- 6.2 Flow Cytometry
- 6.2.1 Key market trends, growth factors and opportunities
- 6.2.2 Market size and forecast, by region
- 6.2.3 Market analysis by country
- 6.3 Next Generation Sequencing (NGS)
- 6.3.1 Key market trends, growth factors and opportunities
- 6.3.2 Market size and forecast, by region
- 6.3.3 Market analysis by country
- 6.4 Polymerase Chain Reaction (PCR)
- 6.4.1 Key market trends, growth factors and opportunities
- 6.4.2 Market size and forecast, by region
- 6.4.3 Market analysis by country
- 6.5 Mass Spectrometry
- 6.5.1 Key market trends, growth factors and opportunities
- 6.5.2 Market size and forecast, by region
- 6.5.3 Market analysis by country
- 6.6 Others
- 6.6.1 Key market trends, growth factors and opportunities
- 6.6.2 Market size and forecast, by region
- 6.6.3 Market analysis by country

#### CHAPTER 7: SINGLE CELL ANALYSIS MARKET, BY END USER

- 7.1 Overview
- 7.1.1 Market size and forecast
- 7.2 Academic and Research Laboratories
- 7.2.1 Key market trends, growth factors and opportunities
- 7.2.2 Market size and forecast, by region
- 7.2.3 Market analysis by country
- 7.3 Biotechnology and Pharmaceutical Companies
- 7.3.1 Key market trends, growth factors and opportunities
- 7.3.2 Market size and forecast, by region

#### Scotts International, EU Vat number: PL 6772247784

- 7.3.3 Market analysis by country
- 7.4 Hospitals and Diagnostic Laboratories
- 7.4.1 Key market trends, growth factors and opportunities
- 7.4.2 Market size and forecast, by region
- 7.4.3 Market 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 analysis by country

CHAPTER 8: SINGLE CELL ANALYSIS MARKET, BY REGION

- 8.1 Overview
- 8.1.1 Market size and forecast
- 8.2 North America
- 8.2.1 Key trends and opportunities
- 8.2.2 North America Market size and forecast, by Product
- 8.2.3 North America Market size and forecast, by Application
- 8.2.4 North America Market size and forecast, by Techniques
- 8.2.5 North America Market size and forecast, by End User
- 8.2.6 North America Market size and forecast, by country
- 8.2.6.1 U.S.
- 8.2.6.1.1 Market size and forecast, by Product
- 8.2.6.1.2 Market size and forecast, by Application
- 8.2.6.1.3 Market size and forecast, by Techniques
- 8.2.6.1.4 Market size and forecast, by End User
- 8.2.6.2 Canada
- 8.2.6.2.1 Market size and forecast, by Product
- 8.2.6.2.2 Market size and forecast, by Application
- 8.2.6.2.3 Market size and forecast, by Techniques
- 8.2.6.2.4 Market size and forecast, by End User
- 8.2.6.3 Mexico
- 8.2.6.3.1 Market size and forecast, by Product
- 8.2.6.3.2 Market size and forecast, by Application
- 8.2.6.3.3 Market size and forecast, by Techniques
- 8.2.6.3.4 Market size and forecast, by End User
- 8.3 Europe
- 8.3.1 Key trends and opportunities
- 8.3.2 Europe Market size and forecast, by Product
- 8.3.3 Europe Market size and forecast, by Application
- 8.3.4 Europe Market size and forecast, by Techniques
- 8.3.5 Europe Market size and forecast, by End User
- 8.3.6 Europe Market size and forecast, by country
- 8.3.6.1 Germany
- 8.3.6.1.1 Market size and forecast, by Product
- 8.3.6.1.2 Market size and forecast, by Application
- 8.3.6.1.3 Market size and forecast, by Techniques
- 8.3.6.1.4 Market size and forecast, by End User
- 8.3.6.2 France

# Scotts International. EU Vat number: PL 6772247784

- 8.3.6.2.1 Market size and forecast, by Product
- 8.3.6.2.2 Market size and forecast, by Application
- 8.3.6.2.3 Market size and forecast, by Techniques
- 8.3.6.2.4 Market size and forecast, by End User
- 8.3.6.3 U.K.
- 8.3.6.3.1 Market size and forecast, by Product
- 8.3.6.3.2 Market size and forecast, by Application
- 8.3.6.3.3 Market size and forecast, by Techniques
- 8.3.6.3.4 Market size and forecast, by End User
- 8.3.6.4 Italy
- 8.3.6.4.1 Market size and forecast, by Product
- 8.3.6.4.2 Market size and forecast, by Application
- 8.3.6.4.3 Market size and forecast, by Techniques
- 8.3.6.4.4 Market size and forecast, by End User
- 8.3.6.5 Spain
- 8.3.6.5.1 Market size and forecast, by Product
- 8.3.6.5.2 Market size and forecast, by Application
- 8.3.6.5.3 Market size and forecast, by Techniques
- 8.3.6.5.4 Market size and forecast, by End User
- 8.3.6.6 Rest of Europe
- 8.3.6.6.1 Market size and forecast, by Product
- 8.3.6.6.2 Market size and forecast, by Application
- 8.3.6.6.3 Market size and forecast, by Techniques
- 8.3.6.6.4 Market size and forecast, by End User
- 8.4 Asia-Pacific
- 8.4.1 Key trends and opportunities
- 8.4.2 Asia-Pacific Market size and forecast, by Product
- 8.4.3 Asia-Pacific Market size and forecast, by Application
- 8.4.4 Asia-Pacific Market size and forecast, by Techniques
- 8.4.5 Asia-Pacific Market size and forecast, by End User
- 8.4.6 Asia-Pacific Market size and forecast, by country
- 8.4.6.1 Japan
- 8.4.6.1.1 Market size and forecast, by Product
- 8.4.6.1.2 Market size and forecast, by Application
- 8.4.6.1.3 Market size and forecast, by Techniques
- 8.4.6.1.4 Market size and forecast, by End User
- 8.4.6.2 China
- 8.4.6.2.1 Market size and forecast, by Product
- 8.4.6.2.2 Market size and forecast, by Application
- 8.4.6.2.3 Market size and forecast, by Techniques
- 8.4.6.2.4 Market size and forecast, by End User
- 8.4.6.3 India
- 8.4.6.3.1 Market size and forecast, by Product
- 8.4.6.3.2 Market size and forecast, by Application
- 8.4.6.3.3 Market size and forecast, by Techniques
- 8.4.6.3.4 Market size and forecast, by End User
- 8.4.6.4 Australia

#### Scotts International, EU Vat number: PL 6772247784

- 8.4.6.4.1 Market size and forecast, by Product
- 8.4.6.4.2 Market size and forecast, by Application
- 8.4.6.4.3 Market size and forecast, by Techniques
- 8.4.6.4.4 Market size and forecast, by End User
- 8.4.6.5 South Korea
- 8.4.6.5.1 Market size and forecast, by Product
- 8.4.6.5.2 Market size and forecast, by Application
- 8.4.6.5.3 Market size and forecast, by Techniques
- 8.4.6.5.4 Market size and forecast, by End User
- 8.4.6.6 Rest of Asia-Pacific
- 8.4.6.6.1 Market size and forecast, by Product
- 8.4.6.6.2 Market size and forecast, by Application
- 8.4.6.6.3 Market size and forecast, by Techniques
- 8.4.6.6.4 Market size and forecast, by End User
- 8.5 LAMEA
- 8.5.1 Key trends and opportunities
- 8.5.2 LAMEA Market size and forecast, by Product
- 8.5.3 LAMEA Market size and forecast, by Application
- 8.5.4 LAMEA Market size and forecast, by Techniques
- 8.5.5 LAMEA Market size and forecast, by End User
- 8.5.6 LAMEA Market size and forecast, by country
- 8.5.6.1 Brazil
- 8.5.6.1.1 Market size and forecast, by Product
- 8.5.6.1.2 Market size and forecast, by Application
- 8.5.6.1.3 Market size and forecast, by Techniques
- 8.5.6.1.4 Market size and forecast, by End User
- 8.5.6.2 Saudi Arabia
- 8.5.6.2.1 Market size and forecast, by Product
- 8.5.6.2.2 Market size and forecast, by Application
- 8.5.6.2.3 Market size and forecast, by Techniques
- 8.5.6.2.4 Market size and forecast, by End User
- 8.5.6.3 South Africa
- 8.5.6.3.1 Market size and forecast, by Product
- 8.5.6.3.2 Market size and forecast, by Application
- 8.5.6.3.3 Market size and forecast, by Techniques
- 8.5.6.3.4 Market size and forecast, by End User
- 8.5.6.4 Rest of LAMEA
- 8.5.6.4.1 Market size and forecast, by Product
- 8.5.6.4.2 Market size and forecast, by Application
- 8.5.6.4.3 Market size and forecast, by Techniques
- 8.5.6.4.4 Market size and forecast, by End User
- **CHAPTER 9: COMPANY 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

#### Scotts International, EU Vat number: PL 6772247784

9.6. Key developments

**CHAPTER 10: COMPANY PROFILES** 

10.1 10x Genomics

10.1.1 Company overview

10.1.2 Company snapshot

10.1.3 Operating business segments

10.1.4 Product portfolio

10.1.5 Business performance

10.1.6 Key strategic moves and developments

10.2 Agilent Technologies, Inc.

10.2.1 Company overview

10.2.2 Company snapshot

10.2.3 Operating business segments

10.2.4 Product portfolio

10.2.5 Business performance

10.2.6 Key strategic moves and developments

10.3 Becton, Dickinson and Company

10.3.1 Company overview

10.3.2 Company snapshot

10.3.3 Operating business segments

10.3.4 Product portfolio

10.3.5 Business performance

10.3.6 Key strategic moves and developments

10.4 Bio-Rad Laboratories

10.4.1 Company overview

10.4.2 Company snapshot

10.4.3 Operating business segments

10.4.4 Product portfolio

10.4.5 Business performance

10.4.6 Key strategic moves and developments

10.5 Danaher Corporation(Cytiva Life Sciences)

10.5.1 Company overview

10.5.2 Company snapshot

10.5.3 Operating business segments

10.5.4 Product portfolio

10.5.5 Business performance

10.5.6 Key strategic moves and developments

10.6 Illumina, Inc.

10.6.1 Company overview

10.6.2 Company snapshot

10.6.3 Operating business segments

10.6.4 Product portfolio

10.6.5 Business performance

10.6.6 Key strategic moves and developments

10.7 BERKLEY LIGHTS INC

10.7.1 Company overview

10.7.2 Company snapshot

#### Scotts International, EU Vat number: PL 6772247784

- 10.7.3 Operating business segments
- 10.7.4 Product portfolio
- 10.7.5 Business performance
- 10.7.6 Key strategic moves and developments
- 10.8 BGI GENOMICS CO. LTD
- 10.8.1 Company overview
- 10.8.2 Company snapshot
- 10.8.3 Operating business segments
- 10.8.4 Product portfolio
- 10.8.5 Business performance
- 10.8.6 Key strategic moves and developments
- 10.9 DIASORIN GROUP (LUMINEX CORPORATION)
- 10.9.1 Company overview
- 10.9.2 Company snapshot
- 10.9.3 Operating business segments
- 10.9.4 Product portfolio
- 10.9.5 Business performance
- 10.9.6 Key strategic moves and developments
- 10.10 DOLOMITE BIO
- 10.10.1 Company overview
- 10.10.2 Company snapshot
- 10.10.3 Operating business segments
- 10.10.4 Product portfolio
- 10.10.5 Business performance
- 10.10.6 Key strategic moves and developments
- 10.11 MERCK KGAA
- 10.11.1 Company overview
- 10.11.2 Company snapshot
- 10.11.3 Operating business segments
- 10.11.4 Product portfolio
- 10.11.5 Business performance
- 10.11.6 Key strategic moves and developments
- 10.12 OXFORD NANAOPORE TECHNOLOGIES
- 10.12.1 Company overview
- 10.12.2 Company snapshot
- 10.12.3 Operating business segments
- 10.12.4 Product portfolio
- 10.12.5 Business performance
- 10.12.6 Key strategic moves and developments
- 10.13 OIAGEN N.V
- 10.13.1 Company overview
- 10.13.2 Company snapshot
- 10.13.3 Operating business segments
- 10.13.4 Product portfolio
- 10.13.5 Business performance
- 10.13.6 Key strategic moves and developments
- 10.14 Sartorius AG

#### Scotts International, EU Vat number: PL 6772247784

- 10.14.1 Company overview
- 10.14.2 Company snapshot
- 10.14.3 Operating business segments
- 10.14.4 Product portfolio
- 10.14.5 Business performance
- 10.14.6 Key strategic moves and developments
- 10.15 STANDARD BIOTOOLS (Fluidigm Corporation)
- 10.15.1 Company overview
- 10.15.2 Company snapshot
- 10.15.3 Operating business segments
- 10.15.4 Product portfolio
- 10.15.5 Business performance
- 10.15.6 Key strategic moves and developments
- 10.16 TAKARA HOLDINGS INC
- 10.16.1 Company overview
- 10.16.2 Company snapshot
- 10.16.3 Operating business segments
- 10.16.4 Product portfolio
- 10.16.5 Business performance
- 10.16.6 Key strategic moves and developments
- 10.17 THERMO FISHER SCIENTIFIC, INC.
- 10.17.1 Company overview
- 10.17.2 Company snapshot
- 10.17.3 Operating business segments
- 10.17.4 Product portfolio
- 10.17.5 Business performance
- 10.17.6 Key strategic moves and developments



Single Cell Analysis Market By Product (Consumables, Instruments), By Techniques (Flow Cytometry, Next Generation Sequencing (NGS), Polymerase Chain Reaction (PCR), Mass Spectrometry, Others), By End User (Academic and Research Laboratories, Biotechnology and Pharmaceutical Companies, Hospitals and Diagnostic Laboratories, Others), By Application (Oncology, Immunology, Neurology, Stem cell, Non-Invasive Prenatal Diagnosis, In-Vitro Fertilization (IVF), Others):

Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-07-01 | 270 pages | Allied Market Research

	Scotts International: vant blank fields and sign l email to support@scotts-international.com			
ORDER FORM:				
Select license	License	Price		
	Cloud Access License	\$3110.40		
	Business User License	\$5238.00		
	Enterprise License	\$8640.00		
	VAT			
	Total			
*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.  [** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers				

Scotts International. EU Vat number: PL 6772247784

Email\*

tel. 0048 603 394 346 e-mail: support@scotts-international.com www.scotts-international.com

Phone\*

First Name*	Last Name*	
Job title*		
Company Name*	EU Vat / Tax ID / NIF	P number*
Address*	City*	
Zip Code*	Country*	
	Date	2025-05-08
	Signature	