

# Global Single-cell Technologies Market

<https://marketpublishers.com/r/GE3D8AA66CA2EN.html>

Date: August 2024

Pages: 112

Price: US\$ 5,500.00 (Single User License)

ID: GE3D8AA66CA2EN

## Abstracts

### Report Scope:

This report provides detailed information about the single-cell technologies market. The report provides market projections for 2029 and the market share for key market players. The report details the market size of single-cell technologies based on product, cell type, techniques, application, and end user. The market is segmented by product into consumables and instruments. By cell type, it is classified into human cells, animal cells and microbial cells. By techniques, it encompasses flow cytometry, next-generation sequencing, polymerase chain reaction, microscopy, mass spectrometry, and other techniques. By application, it is segmented into research applications and medical applications. Also, by end user, it is categorized into research and academic laboratories, biotechnology and pharmaceutical companies, hospitals and diagnostic laboratories, and cell banks and IVF centers.

### Report Includes:

33 data tables and 48 additional tables

An analysis of the global single-cell technologies market

Analyses of global market trends, with market revenue data from 2022 to 2023, estimates for 2024 and projected CAGRs through 2029

Estimates of the current market size and revenue prospects, along with a market share analysis based on product, techniques, cell type, application, end user and region

Facts and figures on industry growth drivers, opportunities and restraints; the

regulatory scenario; and the competitive landscape

An analysis of patents related to single-cell technologies

Overview of ESG and sustainability trends, with a focus on consumer attitudes, companies' ESG score rankings and their ESG practices

Company profiles of major players within the industry, including 10x Genomics, BD, and Thermo Fisher Scientific Inc.

## Contents

### **CHAPTER 1 EXECUTIVE SUMMARY**

Market Outlook  
Scope of Report  
Market Summary

### **CHAPTER 2 MARKET OVERVIEW**

Overview  
Bulk vs. Single-Cell Sequencing  
PESTLE Analysis  
Porter's Five Forces Analysis  
Bargaining Power of Buyers  
Bargaining Power of Suppliers  
Potential of New Entrants  
Competition in the Industry  
Threat of Substitutes

### **CHAPTER 3 MARKET DYNAMICS**

Market Dynamics  
Market Drivers  
Rising Incidence of Cancer  
Growing Demand for Personalized Medicine  
Increasing Investment and Funding  
Market Restraints  
High Cost of Single-Cell Analysis  
Market Opportunities  
Emerging Economies  
Market Challenges  
Complexity of Single-Cell Sequencing

### **CHAPTER 4 EMERGING TECHNOLOGIES AND DEVELOPMENTS**

Emerging Technologies  
Advances in Bioinformatics  
Microfluidics

Artificial Intelligence  
Clinical Trials Analysis  
Clinical Trials Analysis, by Type of Study  
Clinical Trials Analysis, by Status  
Clinical Trials Analysis, by Phase  
Selected Clinical Trials  
Patent Analysis  
Patents by Year  
Patents by Top Applicants  
Patents by Top Owner  
Patents by Jurisdiction

## **CHAPTER 5 MARKET SEGMENTATION ANALYSIS**

Segmentation Breakdown  
Market Analysis by Product  
Consumables  
Instruments  
Market Breakdown by Cell Type  
Human Cells  
Animal Cells  
Microbial Cells  
Market Breakdown by Technique  
Flow Cytometry  
Next-Generation Sequencing  
Polymerase Chain Reaction  
Microscopy  
Mass Spectrometry  
Other Techniques  
Market Breakdown by Application  
Research Applications  
Medical Applications  
Market Breakdown by End User  
Research and Academic Laboratories  
Biotechnology and Pharmaceutical Companies  
Hospitals and Diagnostic Laboratories  
Cell Banks and IVF Centers  
Geographic Breakdown  
Market Analysis by Region

North America  
Europe  
Asia-Pacific  
Rest of the World

## **CHAPTER 6 COMPETITIVE INTELLIGENCE**

Market Analysis  
Top Players  
Emerging Startups  
Strategic Analysis

## **CHAPTER 7 SUSTAINABILITY IN SINGLE-CELL TECHNOLOGIES: AN ESG PERSPECTIVE**

Introduction to ESG  
Sustainability in Single-Cell Technologies Industry: An ESG Perspective  
Key ESG Issues  
Single-Cell Technologies ESG Performance Analysis  
Concluding Remarks from BCC

## **CHAPTER 8 APPENDIX**

Methodology  
Information Sources  
References  
Acronyms  
Company Profiles

## **10X GENOMICS**

AGILENT TECHNOLOGIES INC.  
BD  
BIO-RAD LABORATORIES INC.  
DANAHER CORP.  
ILLUMINA INC.  
MERCK KGAA  
PROMEGA CORP.  
QIAGEN

THERMO FISHER SCIENTIFIC INC.

## List Of Tables

### LIST OF TABLES

Summary Table : Global Market for Single-Cell Technologies, by Product, Through 2029

Table 1 : Clinical Trials in Single-Cell Technology, by Type of Study, as of June 2024

Table 2 : Clinical Trials in Single-Cell Technology, by Status, as of June 2024

Table 3 : Clinical Trials in Single-Cell Technology, by Phase, as of June 2024

Table 4 : Select Clinical Trials in Single-Cell Technology

Table 5 : Patents, by Top Applicants, 2020–2023

Table 6 : Patents, by Top Owner, 2020–2023

Table 7 : Patents, by Jurisdiction, 2020–2023

Table 8 : Global Market for Single-Cell Technologies, by Product, Through 2029

Table 9 : Assay Kits Offered by 10X Genomics

Table 10 : Global Market for Single-Cell Technologies Consumables, by Region, Through 2029

Table 11 : Single-Cell Technologies Flow Cytometry Systems, by Company

Table 12 : Single-Cell Technologies NGS Systems, by Company

Table 13 : Single-Cell Technologies PCR Systems, by Company

Table 14 : Single-Cell Technologies Mass Spectrophotometers, by Company

Table 15 : Single-Cell Technologies Microscopes, by Company

Table 16 : Global Market for Single-Cell Technologies Instruments, by Region, Through 2029

Table 17 : Global Market for Single-Cell Technologies, by Cell Type, Through 2029

Table 18 : Global Market for Single-Cell Technologies in the Human Cells Segment, by Region, Through 2029

Table 19 : Global Market for Single-Cell Technologies in the Animal Cells Segment, by Region, Through 2029

Table 20 : Global Market for Single-Cell Technologies in the Microbial Cells Segment, by Region, Through 2029

Table 21 : Global Market for Single-Cell Technologies, by Technique, Through 2029

Table 22 : Global Market for Flow Cytometry in Single-Cell Technologies, by Region, Through 2029

Table 23 : Global Market for Next-Generation Sequencing in Single-Cell Technologies, by Region, Through 2029

Table 24 : Global Market for Polymerase Chain Reaction in Single-Cell Technologies, by Region, Through 2029

Table 25 : Global Market for Microscopy in Single-Cell Technologies, by Region,

Through 2029

Table 26 : Global Market for Mass Spectrometry in Single-Cell Technologies, by Region, Through 2029

Table 27 : Global Market for Other Techniques in Single-Cell Technologies, by Region, Through 2029

Table 28 : Global Market for Single-Cell Technologies, by Application, Through 2029

Table 29 : Global Market for Research Applications in Single-Cell Technologies, by Region, Through 2029

Table 30 : Global Market for Medical Applications of Single-Cell Technologies, by Region, Through 2029

Table 31 : Global Market for Single-Cell Technologies, by End User, Through 2029

Table 32 : Global Market for Single-Cell Technologies in Research and Academic Laboratories, by Region, Through 2029

Table 33 : Global Market for Single-Cell Technologies in Biotechnology and Pharmaceutical Companies, by Region, Through 2029

Table 34 : Global Market for Single-Cell Technologies in Hospitals and Diagnostic Laboratories, by Region, Through 2029

Table 35 : Stem Cell Banks and Registries Worldwide, by Country

Table 36 : Global Market for Single-Cell Technologies in Cell Banks and IVF Centers, by Region, Through 2029

Table 37 : Global Market for Single-Cell Technologies, by Region, Through 2029

Table 38 : Single-Cell Technologies: Market Player Share Analysis, 2023

Table 39 : Single-Cell Technologies Market: Recent Developments

Table 40 : ESG Rankings for Single-Cell Technology Companies, 2024\*

Table 41 : ESG in Single-cell Technologies: Environmental Overview

Table 42 : ESG in Single-Cell Technologies: Social Overview

Table 43 : ESG in Single-cell Technologies: Governance Overview

Table 44 : Report Sources

Table 45 : Glossary of Terms Used in Single-Cell Technologies Market

Table 46 : 10x Genomics: Company Snapshot

Table 47 : 10x Genomics: Financial Performance, FY 2022 and 2023

Table 48 : 10x Genomics: Product Portfolio

Table 49 : 10x Genomics: News/Key Developments, 2021-2024

Table 50 : Agilent Technologies Inc.: Company Snapshot

Table 51 : Agilent Technologies Inc.: Financial Performance, FY 2022 and 2023

Table 52 : Agilent Technologies Inc.: Product Portfolio

Table 53 : Agilent Technologies Inc.: News/Key Developments, 2021

Table 54 : BD: Company Snapshot

Table 55 : BD: Financial Performance, FY 2022 and 2023



- Table 56 : BD: Product Portfolio
- Table 57 : BD: News/Key Developments, 2023 and 2024
- Table 58 : Bio-Rad Laboratories Inc.: Company Snapshot
- Table 59 : Bio-Rad Laboratories Inc.: Financial Performance, FY 2022 and 2023
- Table 60 : Bio-Rad Laboratories Inc.: Product Portfolio
- Table 61 : Danaher Corp.: Company Snapshot
- Table 62 : Danaher Corp.: Financial Performance, FY 2022 and 2023
- Table 63 : Danaher Corp.: Product Portfolio
- Table 64 : Danaher Corp.: News/Key Developments, 2023 and 2024
- Table 65 : Illumina Inc.: Company Snapshot
- Table 66 : Illumina Inc.: Financial Performance, FY 2022 and 2023
- Table 67 : Illumina Inc.: Product Portfolio
- Table 68 : Merck KGaA: Company Snapshot
- Table 69 : Merck KGaA: Financial Performance, FY 2022 and 2023
- Table 70 : Merck KGaA: Product Portfolio
- Table 71 : Promega Corp.: Company Snapshot
- Table 72 : Promega Corp.: Product Portfolio
- Table 73 : Qiagen: Company Snapshot
- Table 74 : Qiagen: Financial Performance, FY 2022 and 2023
- Table 75 : Qiagen: Product Portfolio
- Table 76 : Qiagen: News/Key Developments, 2024
- Table 77 : Thermo Fisher Scientific Inc.: Company Snapshot
- Table 78 : Thermo Fisher Scientific Inc.: Financial Performance, FY 2022 and 2023
- Table 79 : Thermo Fisher Scientific Inc.: Product Portfolio
- Table 80 : Thermo Fisher Scientific Inc.: News/Key Developments, 2021

## List Of Figures

### LIST OF FIGURES

Summary Figure : Global Market for Single-Cell Technologies, by Product, 2021–2029

Figure 1 : Single-Cell Technologies: Overview

Figure 2 : Single Cell Sequencing: Workflow

Figure 3 : Comparison of Bulk Cell Sequencing vs. Single-cell Sequencing

Figure 4 : Single-Cell Technologies: PESTLE Analysis

Figure 5 : Market Dynamics of Single-Cell Technologies

Figure 6 : Estimated Numbers of All Cancer Cases, Males and Females (0 to 85+ Years), 2022–2050

Figure 7 : Personalized Medicine: Growing Share in Total New Molecular Entities (NMEs), 2019–2022

Figure 8 : Percentage of Deaths from NCDs in Asia-Pacific Countries, 2019

Figure 9 : Emerging Trends/Technologies in the Single-Cell Technology Market

Figure 10 : Microfluidic Chip Technology: Principal Types

Figure 11 : Patents Granted, by Year, 2020–2023

Figure 12 : Global Market Shares of Single-Cell Technologies, by Product, 2023

Figure 13 : Global Market Shares of Single-Cell Technologies, by Cell Type, 2023

Figure 14 : Global Market Shares of Single-Cell Technologies, by Technique, 2023

Figure 15 : Global Market Shares of Single-Cell Technologies, by Technique, 2023

Figure 16 : Global Market Shares of Single-Cell Technologies, by Application, 2023

Figure 17 : Global Market Shares of Single-Cell Technologies, by End User, 2023

Figure 18 : Examples of Research and Academic Laboratories Utilizing Single-Cell Technologies

Figure 19 : Global Market Shares of Single-Cell Technologies, by Region, 2023

Figure 20 : U.S. NIH Funding for Genome Research, 2021–2023

Figure 21 : North America Market for Single-Cell Technologies, 2021–2029

Figure 22 : European Market for Single-Cell Technologies, 2021–2029

Figure 23 : Asia-Pacific Market for Single-Cell Technologies, 2021–2029

Figure 24 : Rest of the World Market for Single-Cell Technologies, 2021–2029

Figure 25 : ESG Pillars

Figure 26 : Advantages of ESG for Companies

Figure 27 : Methodology Used in Single-Cell Technologies Market

Figure 28 : 10x Genomics: Revenue Share, by Business Unit, FY 2023

Figure 29 : 10x Genomics: Revenue Share, by Region, FY 2023

Figure 30 : Agilent Technologies Inc.: Revenue Share, by Business Unit, FY 2023

Figure 31 : Agilent Technologies Inc.: Revenue Share, by Region, FY 2023

Figure 32 : BD: Revenue Share, by Business Unit, FY 2023

Figure 33 : BD: Revenue Share, by Country/Region, FY 2023

Figure 34 : Bio-Rad Laboratories Inc.: Revenue Share, by Business Unit, FY 2023

Figure 35 : Bio-Rad Laboratories Inc.: Revenue Share, by Country/Region, FY 2023

Figure 36 : Danaher Corp.: Market Share, by Business Unit, FY 2023

Figure 37 : Danaher Corp.: Revenue Share, by Country/Region, FY 2023

Figure 38 : Illumina Inc.: Revenue Share, by Business Unit, FY 2023

Figure 39 : Illumina Inc.: Revenue Shares, by Country/Region, FY 2023

Figure 40 : Merck KGaA: Revenue Share, by Business Unit, FY 2023

Figure 41 : Merck KGaA: Revenue Shares, by Region, FY 2023

Figure 42 : Qiagen: Market Share, by Business Unit, FY 2023

Figure 43 : Qiagen: Revenue Share, by Region, FY 2023

Figure 44 : Thermo Fisher Scientific Inc.: Market Share, by Business Unit, FY 2023

Figure 45 : Thermo Fisher Scientific Inc.: Revenue Share, by Region, FY 2023

## I would like to order

Product name: Global Single-cell Technologies Market

Product link: <https://marketpublishers.com/r/GE3D8AA66CA2EN.html>

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE3D8AA66CA2EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970