+357 96 030922
info@marketpublishers.com

Global Single-cell Sequencing Systems Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GF7060E362FAEN.html
Date: June 2026
Pages: 122
Price: US$ 4,480.00 (Single User License)
ID: GF7060E362FAEN

Abstracts

The global Single-cell Sequencing Systems market size is expected to reach $ 2340 million by 2032, rising at a market growth of 9.8% CAGR during the forecast period (2026-2032).

In 2025, the global production of single-cell sequencing systems reached approximately 1,200 units. A single-cell sequencing system is a high-throughput, precise biological analysis instrument capable of sequencing the genome, transcriptome, or epigenome at the individual cell level, enabling accurate analysis of cellular heterogeneity, rare cell populations, and dynamic biological processes. The system typically integrates microfluidic chip technology, high-sensitivity capture modules, automated liquid handling platforms, and high-throughput sequencing interfaces, allowing the isolation, lysis, and amplification of single cells for simultaneous sequencing of thousands to tens of thousands of cells. Single-cell sequencing systems are widely applied in basic life sciences research, tumor immune microenvironment analysis, stem cell studies, neuroscience, early disease diagnostics, and drug development, providing a critical tool for uncovering cellular functional diversity and complex biological networks. Additionally, the systems are equipped with data analysis software that performs data cleaning, noise reduction, gene expression quantification, and clustering, generating high-precision, reproducible single-cell data to support both research and clinical translation, thereby advancing precision medicine and personalized therapies.

Single-cell sequencing systems belong to the high-end life science instrument segment of biomedicine and in vitro diagnosis industries and represent a rapidly developing core track in the biotechnology field. Compared with traditional bulk sequencing technology, they can accurately capture cellular heterogeneity and make up for the low resolution defects of conventional sequencing equipment, being widely applied in tumor

+357 96 030922
info@marketpublishers.com

mechanism research, new drug development, immunotherapy, reproductive health and other precision medical scenarios. With the continuous increasing investment in global precision medicine and basic life science research, scientific research institutions and biopharmaceutical enterprises have growing demand for high-precision sequencing devices. Meanwhile, policies worldwide accelerate the domestic substitution of high-end medical devices to break the monopoly of overseas manufacturers. Currently, the global single-cell sequencing system market is still dominated by foreign leading enterprises, while domestic companies are narrowing the technical gap through continuous technological breakthroughs and expanding market shares relying on cost performance and localized services. In general, single-cell sequencing systems feature high technical barriers, diverse downstream applications and strong market demand with great scientific research and commercial value. Driven by declining sequencing costs, improved equipment automation and integration, and expanding clinical commercial scenarios, the industry will maintain rapid growth, with independent localization, integration and intellectualization as its core long-term development trends.

This report studies the global Single-cell Sequencing Systems production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Single-cell Sequencing Systems and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Single-cell Sequencing Systems that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Single-cell Sequencing Systems total production and demand, 2021-2032, (Units)
Global Single-cell Sequencing Systems total production value, 2021-2032, (USD Million)
Global Single-cell Sequencing Systems production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)
Global Single-cell Sequencing Systems consumption by region & country, CAGR, 2021-2032 & (Units)
U.S. VS China: Single-cell Sequencing Systems domestic production, consumption, key domestic manufacturers and share
Global Single-cell Sequencing Systems production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

+357 96 030922
info@marketpublishers.com

Global Single-cell Sequencing Systems production by Technical Principle, production, value, CAGR, 2021-2032, (USD Million) & (Units)
Global Single-cell Sequencing Systems production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Single-cell Sequencing Systems market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BEIJING BESTOPCELL CO., LTD., Lead Healthcare Technology (Guangzhou) Co., Ltd., SUZHOU DYNAMIC BIOSCIENCES CO., LTD., 10x Genomics, Becton, Dickinson and Company, Illumina, MGI Tech Co., Ltd., Singleron Biotechnologies Co., Ltd., M20 Genomics, Sartorius, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Single-cell Sequencing Systems market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (K US$/Unit) by manufacturer, by Technical Principle, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Single-cell Sequencing Systems Market, By Region:

United States

China

Europe

Japan

South Korea

+357 96 030922
info@marketpublishers.com

ASEAN

India

Rest of World

Global Single-cell Sequencing Systems Market, Segmentation by Technical Principle:

Droplet-based microfluidics systems

Microwell-based systems

Plate-based systems

Combinatorial indexing systems

Others

Global Single-cell Sequencing Systems Market, Segmentation by Detection Target / Analyte:

Single-cell transcriptome sequencing system

Single-cell genome sequencing system

Single-cell epigenomics system

Single-cell multi-omics system

Spatial transcriptomics system

Others

Global Single-cell Sequencing Systems Market, Segmentation by Cellular Throughput:

Low throughput (40,000 cells/run)

+357 96 030922
info@marketpublishers.com

Others

Global Single-cell Sequencing Systems Market, Segmentation by Application:

Precision medicine / Clinical diagnostics

Drug discovery and development

Basic biology research

Others

Companies Profiled:

BEIJING BESTOPCELL CO., LTD.

Lead Healthcare Technology (Guangzhou) Co., Ltd.

SUZHOU DYNAMIC BIOSCIENCES CO., LTD.

10x Genomics

Becton, Dickinson and Company

Illumina

MGI Tech Co., Ltd.

Singleron Biotechnologies Co., Ltd.

M20 Genomics

Sartorius

bitBiome Inc.

+357 96 030922
info@marketpublishers.com

Key Questions Answered:

1. How big is the global Single-cell Sequencing Systems market?
2. What is the demand of the global Single-cell Sequencing Systems market?
3. What is the year over year growth of the global Single-cell Sequencing Systems market?
4. What is the production and production value of the global Single-cell Sequencing Systems market?
5. Who are the key producers in the global Single-cell Sequencing Systems market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

5 MARKET ANALYSIS BY TECHNICAL PRINCIPLE

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

9 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 INDUSTRY CHAIN ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Single-cell Sequencing Systems Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GF7060E362FAEN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GF7060E362FAEN.html