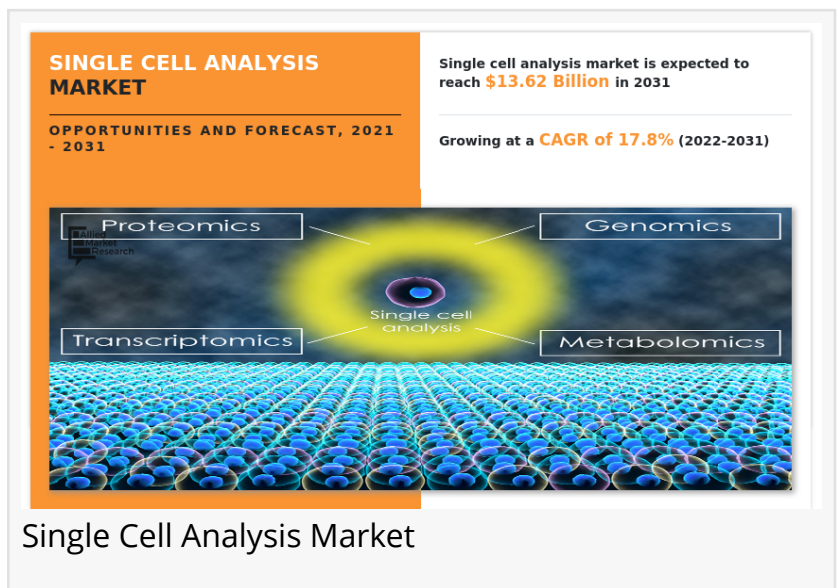


Single Cell Analysis Market to Reach \$13.62 billion by 2031 | 17.8% CAGR

The global single cell analysis market size was valued at \$2.64 billion in 2021, and is projected to reach \$13.62 billion by 2031, growing at a CAGR of 17.8%

PORTLAND, OR, UNITED STATES, May 19, 2023 /EINPresswire.com/ -- The [Single-cell analysis market](#) refers to the market for technologies, products, and services used for the analysis of individual cells. This includes techniques for isolating and studying single cells, as well as tools for characterizing their molecular and functional properties.



The global single-cell analysis market is expected to experience significant growth in the coming years, driven by increasing interest in precision medicine, personalized therapy, and the study of cell heterogeneity. The global single cell analysis market size was valued at \$2.64 billion in 2021, and is projected to reach \$13.62 billion by 2031, growing at a CAGR of 17.8% from 2022 to 2031.

For more information, please visit: <https://www.alliedmarketresearch.com/request-sample/6553>

The market includes a wide range of products and services, including single-cell isolation and purification kits, single-cell genomics and transcriptomics platforms, single-cell imaging and microscopy tools, and more. Major players in the market include companies like 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 Holdings Inc., Oxford Nanopore Technologies., Berkley Light INC., BGI Genomics Co.Ltd., Diasorin Group, Dolomite Bio, Standard Biotools.

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Rise in demand for single cell analysis and high-end technological advancements coupled with surge in R&D activities in the pharmaceutical and biotechnology industries drive the growth of the global single cell analysis market. At the same time, increase in focus on personalized medicines and growing prevalence of cancer have supplemented the growth even more. On the other hand, high cost of single cell analysis products restrains the growth to some extent. Simultaneously, high growth potential of single cell sequencing is projected to pave the way for lucrative growth opportunities in the industry.

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Governments in almost all countries had increased financing for vaccine development and manufacturing, which in turn gave way to a rise in the usage of single-cell analytic tools for Covid-19 research, thus impacting the global single cell analysis market positively.

A deeper understanding of the host immune response during illness progression is highly essential in order to more precisely fabricate prognostic and diagnostic indicators and initiate proper therapeutic approaches for patients. Researchers can gain a better comprehension of immune cells at the single-cell level and how functional cells put up immune protection by taking recourse to single-cell analysis. These factors have boosted the market growth in several ways.

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The consumables segment contributed to around two-thirds of the global single cell analysis market share in 2021, and is expected to lead the trail by 2031. The same segment is also expected to exhibit the fastest CAGR of 17.9% from 2022 to 2031. This is due to high usability of products, frequent purchase of reagents, increase in prevalence of target diseases, and constant need for consumables required for assay.

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The Next Generation Sequencing (NGS) segment generated around one-third of the global single cell analysis market revenue in 2021, and is expected to lead the trail by 2031. The same segment would also manifest the fastest CAGR of 18.0% from 2022 to 2031, due to rise in genome mapping programs, increase in applications of next-generation sequencing, surge in healthcare expenditure, and technological advancements in sequencing platforms.

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The oncology segment garnered more than one-third of the global single cell analysis market share in 2021, and is expected to retain its dominance by 2031. The fact that single cell analysis has proven to be highly effective for prior diagnostics of cancer cells drives the segment growth. The neurology segment, on the other hand, is expected to exhibit the fastest CAGR of 18.8% from 2022 to 2031. This is attributed to increase in the prevalence of neurological disorders.

North America is expected to hold the major share in 2021, generating nearly half of the global single cell analysis market. Rise in the well-established healthcare system, surge in number of geriatric patients, and supportive reimbursement policies in the healthcare system propel the market growth. Europe, on the other hand, would garner the fastest CAGR of 21.6% by 2031. Increase in incidences of cancer and a spike in government funding for single cell analysis research fuel the market growth. The other provinces analyzed throughout the report include Asia-Pacific and LAMEA.

Gene Synthesis Market Size: <https://www.alliedmarketresearch.com/gene-synthesis-market-A39015>

Mobile Tomography Market Share: <https://www.alliedmarketresearch.com/mobile-tomography-market-A31901>

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