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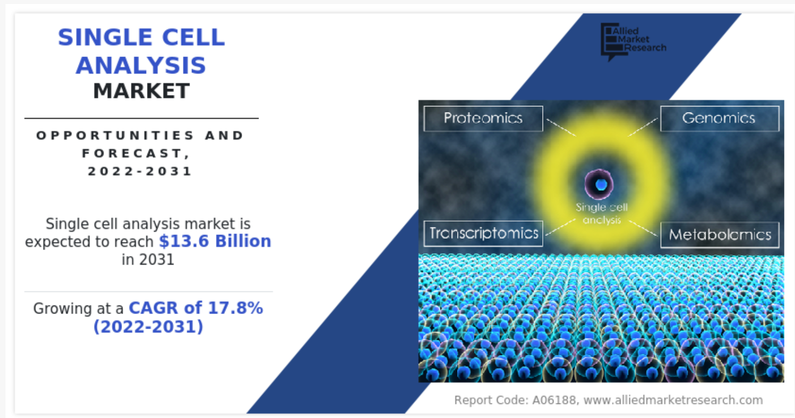
Single Cell Analysis Market Updates: is Projected to Cross USD 13.62 Billion by 2031

The single cell analysis market is estimated to reach $13.62 billion by 2031, growing at a CAGR of 17.8% from 2022 to 2031.



Single Cell Analysis Industry 2025

PORTLAND, OR, UNITED STATES, September 15, 2025 / EINPresswire.com/ -- Allied Market Research published a report, titled, "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."

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The global single cell analysis market is experiencing significant growth, propelled by heightened demand and advancements in technology, particularly in the pharmaceutical and biotechnology sectors. This growth is further fueled by increased research and development activities. Additionally, there's a growing emphasis on personalized medicines and a rising incidence of cancer, which contribute to the market expansion. However, the high cost of single cell analysis products poses a challenge to growth. Nonetheless, the burgeoning potential of single cell sequencing offers promising opportunities for lucrative expansion in the industry.

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In 2021, the consumables segment dominated the global single cell analysis market, accounting for approximately two-thirds of the market share, a trend expected to continue through 2031.

Furthermore, this segment is projected to experience the fastest compound annual growth rate (CAGR) of 17.9% from 2022 to 2031. This growth can be attributed to the widespread usability of products, regular procurement of reagents, rising incidence of target diseases, and the continuous demand for consumables essential for assays.

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In 2021, the Next Generation Sequencing (NGS) technique accounted for approximately one-third of the total revenue in the global single cell analysis market, a trend projected to persist through 2031. Moreover, this segment is anticipated to demonstrate the fastest compound annual growth rate (CAGR) of 18.0% from 2022 to 2031. This growth is attributed to the escalation of genome mapping programs, expanded applications of next-generation sequencing, a surge in healthcare spending, and advancements in sequencing platform technologies.

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In 2021, the oncology segment accounted for over one-third of the global single cell analysis market share and is poised to maintain its leading position through 2031. This dominance is fueled by the proven efficacy of single cell analysis in early cancer cell diagnostics, propelling segment growth. Conversely, the neurology segment is forecasted to demonstrate the highest compound annual growth rate (CAGR) of 18.8% from 2022 to 2031, attributed to the growing prevalence of neurological disorders.

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In 2021, North America dominated the global single cell analysis market, accounting for nearly half of its total share. This was driven by the region's well-established healthcare system, a growing population of elderly patients, and supportive reimbursement policies, all contributing to market growth. Conversely, Europe is projected to experience the fastest compound annual growth rate (CAGR) of 21.6% by 2031. This growth is fueled by increasing cancer incidences and heightened government funding for single cell analysis research. The report also examines other regions such as Asia-Pacific and LAMEA.

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- Danaher Corporation
- Becton
- Merck KGAA
- QIAGEN N.V.
- Illumina, Inc.
- Thermo Fisher Scientific, Inc.
- BGI Genomics Co.Ltd.
- Dickinson and Company
- Agilent Technologies, Inc.,

- Sartorius AG
- Takara Holdingsinc
- Oxford Nanopore Technologies.
- 10x Genomics
- Bio-Rad Laboratories
- Berkley Light INC.
- Dolomite Bio
- Standard Biotools
- Diasorin Group

[illegible]:

• Enhance your strategic decision making
• Assist with your research, presentations and business plans
• Show which emerging market opportunities to focus on
• Increase your industry knowledge
• Keep you up-to-date with crucial market developments
• Allow you to develop informed growth strategies
• Build your technical insight
• Illustrate trends to exploit
• Strengthen your analysis of competitors
• Provide risk analysis, helping you avoid the pitfalls other companies could make
• Ultimately, help you to maximize profitability for your company.

[illegible]:

• Which are the driving factors responsible for the growth of market?
• Which are the roadblock factors of this market?
• What are the new opportunities, by which market will grow in coming years?
• What are the trends of this market?
• Which are main factors responsible for new product launch?
• How big is the global & regional market in terms of revenue, sales and production?
• How far will the market grow in forecast period in terms of revenue, sales and production?
• Which region is dominating the global market and what are the market shares of each region in the overall market in 2022?
• How will each segment grow over the forecast period and how much revenue will these segments account for in 2030?
• Which region has more opportunities?

[illegible]:-

• North America
(U.S., Canada, Mexico)
• Europe

(Germany, France, UK, Italy, Spain, Rest of Europe)
• Asia-Pacific
(Japan, China, India, Rest of Asia-Pacific)
• LAMEA
(Brazil, Saudi Arabia, South Africa, Rest of LAMEA)

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Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of “Market Research Reports” and “Business Intelligence Solutions.” AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

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