

Short Read Sequencing Market Study Explores Industry Growth Toward \$17.75 Billion

The Business Research Company's Short Read Sequencing Market Study Explores Industry Growth Toward \$17.75 Billion

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/EINPresswire.com/ -- "The field of

short read sequencing has witnessed remarkable growth recently, driven by

advances in genomics and expanding research applications. This technology is rapidly reshaping how genetic data is analyzed and utilized, opening new possibilities in healthcare and biological sciences. Let's explore the current market size, growth drivers, leading regions, and emerging trends shaping this dynamic industry.



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Expected to grow to \$17.75 billion in 2030 at a compound annual growth rate (CAGR) of 17.9%”

*The Business Research
Company*

Current Market Size and Projected Expansion of the [Short Read Sequencing Market](#)

The short read sequencing market has experienced swift expansion over recent years. Market value is projected to increase from \$7.8 billion in 2025 to \$9.2 billion in 2026, representing a compound annual growth rate (CAGR) of 17.9%. This historical growth has been fueled by the rise in genomics research projects, declining costs per genome

sequencing, enhanced adoption of next-generation sequencing (NGS) in academic settings, the growth of large-scale population sequencing studies, and broader accessibility to sequencing instruments.

Download a free sample of the [short read sequencing market report](#):

https://www.thebusinessresearchcompany.com/sample.aspx?id=11912&type=smp&utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Looking ahead, the market is set to continue its rapid ascent, with an expected valuation of \$17.75 billion by 2030, maintaining the same impressive CAGR of 17.9%. Key factors propelling growth during this forecast period include greater acceptance of precision medicine programs, increasing demand for sequencing in oncology and rare diseases, expansion of clinical

diagnostics utilizing NGS, rising investments in genomics data infrastructure, and the growing integration of AI-driven sequence analysis tools. Noteworthy trends anticipated through 2030 involve widespread adoption of high-throughput sequencing platforms, a push for more cost-effective whole-genome sequencing, deeper incorporation of sophisticated bioinformatics pipelines, expanded clinical and translational genomics applications, and an emphasis on enhancing sequencing speed and accuracy.

Understanding Short Read Sequencing Technology

Short-read sequencing, commonly referred to as next-generation sequencing (NGS), is a powerful DNA sequencing approach that produces numerous short DNA fragments or reads. This technology revolutionized genomic research by enabling fast, affordable, and comprehensive analysis of entire genomes and transcriptomes, dramatically accelerating discoveries in genetics and molecular biology.

View the full short read sequencing market report:

https://www.thebusinessresearchcompany.com/report/short-read-sequencing-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Key Factors Fueling Growth in the Short Read Sequencing Market

One of the major drivers behind the expanding short read sequencing market is the increasing adoption of personalized medicine. This approach customizes treatments based on a person's unique genetic profile, resulting in more effective and precise healthcare solutions. Short read sequencing plays a crucial role by identifying genetic variations that impact how patients respond to medications, facilitating tailored treatment strategies. For example, in February 2024, the Personalized Medicine Coalition, a US nonprofit, reported that the USFDA approved 16 new personalized therapies for rare disease patients in 2023, up from just 6 the previous year. The rising embrace of personalized medicine is expected to significantly stimulate demand for short read sequencing technologies.

Additional Growth Influences in the Market

Besides personalized medicine, expanding clinical applications of NGS, such as oncology and rare disease diagnostics, are also key contributors to market expansion. Furthermore, growing investments in genomics infrastructure and AI-enhanced sequencing analysis are strengthening the market's growth trajectory. These factors collectively underpin the rapid development of the short read sequencing sector.

Regional Leadership and Market Growth Trends

In 2025, North America held the largest share of the short read sequencing market, driven by advanced healthcare infrastructure and strong research activities. Meanwhile, the Asia-Pacific region is anticipated to be the fastest-growing market during the forecast period due to increasing research investments, expanding healthcare access, and government initiatives supporting genomics. The market report covers key geographic areas including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle

East, and Africa, providing a comprehensive global perspective.

Our 2026 market reports now offer broader strategic coverage through market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, along with updated graphics and tables.

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