Sequencing Reagents Market: Global Industry Analysis, Trends, Market Size, and Forecasts up to 2030

Market Report | 2023-07-28 | 255 pages | Infinium Global Research and Consulting Solutions

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Report description:

The report on the global sequencing reagents market provides qualitative and quantitative analysis for the period from 2021-2030. The revenue generated by the market was USD 4749.99 Million in 2022 and is expected to reach USD 8311.37 Million in 2030, with a CAGR of 7.75% till 2030 during the projected period. The study on sequencing reagents market covers the analysis of the leading geographies such as North America, Europe, Asia Pacific, and RoW for the period of 2021-2030.

A significant area of the life sciences sector that focuses on creating and distributing specialized reagents used in DNA sequencing is the market for sequencing reagents. These reagents are essential for enabling accurate and efficient DNA sequencing processes. They consist of modified nucleotides labeled with fluorescent dyes or other markers, serving as building blocks for sequencing reactions. DNA sequencing can be employed to determine the precise order of nucleotides in specific genomic regions or entire genomes. Illumina sequencing technology, in particular, offers a broad range of applications, empowering researchers to explore various aspects of the genome, transcriptome, or epigenome of diverse organisms. The factor which helps the market to grow is, the price of DNA sequencing which has been drastically decreasing making it more affordable for academics, doctors, and diagnostic labs.

Through efficient DNA sequencing methods, next-generation sequencing (NGS) technology has significantly advanced the understanding of a range of human illnesses, including cancer. Since the introduction of NGS, sequencing costs have greatly lowered while throughput has significantly grown. Because of this technological development, DNA sequencing is now more widely available and reasonably priced, enabling researchers and doctors to thoroughly analyze and interpret genetic data. The cost and scalability of NGS have paved the way for personalized medical strategies and more thorough genomic analysis while also opening up new opportunities for researching complicated diseases, such as cancer. NGS has revolutionized genomics research with its usage in whole genome sequencing, exome sequencing, transcriptome sequencing, and targeted sequencing. The library preparation kits, polymerases, adapters, indexing reagents, and buffers are examples of sequencing reagents for NGS.

North America is to experience a significant share of the region segment in the global Sequencing Reagents Market. Due to the existence of significant pharmaceutical and biotechnology businesses, cutting-edge research institutes, and well-established healthcare infrastructure, North America has been a significant market for sequencing reagents. The area has led in genomics research and application, which has increased demand for sequencing tools. Next-generation sequencing (NGS) has revolutionized

the field of genomics and has become an essential tool across multiple applications, including research, clinical diagnostics, and drug discovery. North America has emerged as a leading region in adopting and implementing NGS technologies, resulting in a significant surge in demand for sequencing reagents within the region. The advancements and widespread utilization of NGS in North America have propelled the need for high-quality reagents to support the expanding genomics market in the region.

Report Findings
1) Drivers
- The market for sequencing reagents is expanding significantly due to the quick uptake of sequencing technologies.
- The price of DNA sequencing has been drastically decreasing making it more affordable for academics, doctors, and diagnostic labs.
2) Restraints
- The growth of the market may face obstacles due to the lack of increasing regulations for Next-generation Sequencing (NGS) techniques.
3) 0pportunities
- Increased investment in R&D creates an opportunity for advancements in sequencing technologies and drives market growth for the sequencing reagents market.

Research Methodology
A) Primary Research
Our primary research involves extensive interviews and analysis of the opinions provided by the primary respondents. The primary research starts with identifying and approaching the primary respondents, the primary respondents are approached include

1. Key Opinion Leaders associated with Infinium Global Research
2. Internal and External subject matter experts
3. Professionals and participants from the industry

Our primary research respondents typically include

1. Executives working with leading companies in the market under review
2. Product/brand/marketing managers
3. CXO level executives
4. Regional/zonal/ country managers
5. Vice President level executives.

B) Secondary Research
Secondary research involves extensive exploring through the secondary sources of information available in both the public domain and paid sources. At Infinium Global Research, each research study is based on over 500 hours of secondary research accompanied by primary research. The information obtained through the secondary sources is validated through the crosscheck on various data sources.

The secondary sources of the data typically include

1. Company reports and publications
2. Government/institutional publications
3. Trade and associations journals
4. Databases such as WTO, OECD, World Bank, and among others.
5. Websites and publications by research agencies

Segment Covered
The global sequencing reagents market is segmented on the basis of type, technology, and end user.

The Global Sequencing Reagents Market by Type

-Template Kits
-Library Kits
-Control Kits
-Sequencing Kits
-Others

The Global Sequencing Reagents Market by Technology
-Next Generation Sequencing
-Sanger Sequencing
-Third Generation Sequencing

The Global Sequencing Reagents Market by End User
-Hospitals and Clinics
-Research Institutes
-Pharmaceutical and Biotechnology Companies
-Others

Company Profiles
The companies covered in the report include
-Thermo Fisher Scientific Inc.
-Illumina, Inc.
-QIAGEN
-Oxford Nanopore Technologies plc.
-Agilent Technologies, Inc.
-Takara Bio Inc.
-BD
-Archer (is now part of Integrated DNA Technologies, Inc.)
-F. Hoffmann-La Roche Ltd
-Meridian Bioscience Inc.

What does this Report Deliver?
1. Comprehensive analysis of the global as well as regional markets of the sequencing reagents market.
2. Complete coverage of all the segments in the sequencing reagents market to analyze the trends, developments in the global market and forecast of market size up to 2030.
3. Comprehensive analysis of the companies operating in the global sequencing reagents market. The company profile includes analysis of product portfolio, revenue, SWOT analysis and latest developments of the company.
4. IGR- Growth Matrix presents an analysis of the product segments and geographies that market players should focus to invest, consolidate, expand and/or diversify.

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