

# Global miRNA Sequencing and Assay Market: Size, Trend & Forecast with Impact of COVID-19 (2021-2025)

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## Abstracts

The report titled “Global miRNA Sequencing and Assay Market: Size, Trend & Forecast with Impact of COVID-19 (2021-2025)”, provides an in-depth analysis of the global miRNA sequencing and assay market by value, by product, by end-users, by technology, by region, etc. The report provides a regional analysis of the miRNA sequencing and assay market, including the following regions: North America (the US, Canada, and Mexico), Europe (Germany, France, the UK, Rest of Europe), Asia Pacific (Japan, China, India, and Rest of Asia Pacific), Latin America (Brazil, Argentina, and Rest of Latin America), and the Middle East & Africa (Saudi Arabia, South Africa, UAE, and Rest of the Middle East & Africa). The report also provides a detailed analysis of the COVID-19 impact on the miRNA sequencing and assay market.

The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global miRNA sequencing and assay market has also been forecasted for the period 2021-2025, taking into consideration the previous growth patterns, the growth drivers, and the current and future trends.

The global miRNA sequencing and assay market is dominated by few major players. The manufacturers of miRNA sequencing and assay produce different types of products to cater to the needs of various sectors. The key players of the miRNA sequencing and assay market are Illumina, Inc., Thermo Fisher Scientific, Inc., Qiagen, and Perkin Elmer, Inc. are also profiled with their financial information and respective business strategies.

## Company Coverage

Illumina, Inc.

Thermo Fisher Scientific

Qiagen

Perkin Elmer, Inc.

## Region Coverage

North America

Europe

Asia Pacific

Latin America

Middle East & Africa

## Executive Summary

miRNA sequencing is a parallel, next-generation sequencing technology for microRNAs that uses high-throughput DNA sequencing. It differs from previous types of RNA sequencing in that small RNAs are added to the input material. Researchers can use miRNA sequencing to look at tissue-specific expression patterns, illness correlations, and miRNA isoforms, as well as identify previously unknown miRNAs.

The global miRNA sequencing and assay market can be segmented based on product type (Library Preparation kits, and Sequencing Consumables); Technology (Sequencing by Synthesis, Nanopore Sequencing, and Ion Semiconductor Sequencing); and End-Users (Research Institutes, Academic Institutes, and Contract Research Organizations).

Due to variables such as supply chain disruption and demand due to the majority of nations' lockdown announcements, the miRNA sequencing and assay market encountered a shortfall at the commencement of the COVID-19 crisis. As the crisis worsens, medical professionals have realized that creating new diagnostic tests based

on cutting-edge technology is crucial to averting a historic calamity. The discovery that miRNA-based treatments can be employed in vaccines is propelling the miRNA sequencing and assay business forward. Also, the demand for miRNA sequencing has surged as a result of supported government programs.

The global miRNA sequencing and assay market have increased significantly during the years 2019-2020 and projections are made that the market would rise in the next four years i.e. 2021-2025 tremendously. The global miRNA sequencing and assay market is expected to increase due to increasing R&D in the pharmaceutical industry, rising prevalence of non-communicable diseases, widening the range of miRNA application, aging population, etc. Yet the market faces some challenges such as problems in delivery, effectiveness, and specificity of miRNA-based therapeutics, safety, and toxicity issues, etc.

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