

**MicroRNA Market Size, Trends, Analysis, and Outlook
By Services (Isolation & Purification, miRNA cDNA
Synthesis, Profiling, Localization, & Quantification,
Functional Analysis, Others), By Specimen Type
(Whole Blood, Serum, Plasma, FFPE, Fresh Frozen
Tissue, Others), By Instruments (Technology,
Workflow, Others), By Consumables (Specimens
(Whole Blood, Serum, Plasma, FFPE, Fresh Frozen
Tissue, Others), Workflow (Isolation & Purification,
miRNA cDNA Synthesis, Profiling, Localization, &
Quantification, Functional Analysis, Others)), By
Application (Cancer, Infectious Diseases,
Immunological Disorder, Cardiovascular Disease,
Neurological Disease, Others), By End-user
(Biotechnology & Pharmaceutical Companies,
Academic & Government Research Institutes, Others),
by Region, Country, Segment, and Companies,
2024-2030**

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Abstracts

The global MicroRNA market size is poised to register 13.25% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry.

The industry study analyzes the global MicroRNA market across By Services (Isolation & Purification, miRNA cDNA Synthesis, Profiling, Localization, & Quantification, Functional Analysis, Others), By Specimen Type (Whole Blood, Serum, Plasma, FFPE, Fresh Frozen Tissue, Others), By Instruments (Technology, Workflow, Others), By Consumables (Specimens (Whole Blood, Serum, Plasma, FFPE, Fresh Frozen Tissue, Others), Workflow (Isolation & Purification, miRNA cDNA Synthesis, Profiling, Localization, & Quantification, Functional Analysis, Others)), By Application (Cancer, Infectious Diseases, Immunological Disorder, Cardiovascular Disease, Neurological Disease, Others), By End-user (Biotechnology & Pharmaceutical Companies, Academic & Government Research Institutes, Others).

The MicroRNA market is witnessing significant growth due to the expanding applications of microRNA in disease diagnosis, prognosis, and therapeutic development, advancements in genomic technologies, and growing investments in life sciences research. MicroRNAs are small non-coding RNA molecules that regulate gene expression and play crucial roles in various biological processes, making them valuable biomarkers and therapeutic targets for a wide range of diseases. Factors such as the increasing prevalence of cancer, cardiovascular disorders, and neurological diseases, the need for personalized medicine approaches, and the emergence of liquid biopsy techniques for early disease detection are driving market growth. Additionally, advancements in microRNA profiling technologies such as next-generation sequencing (NGS) and microarray analysis, the development of bioinformatics tools for microRNA data analysis, and the integration of multi-omics data for systems biology approaches are driving innovation in the market. Moreover, the growing number of research collaborations, strategic partnerships between biopharmaceutical companies and diagnostic firms, and the rising investments in microRNA-based therapeutics are propelling market expansion. Furthermore, efforts to standardize microRNA profiling assays, validate biomarker signatures, and advance clinical translation of microRNA-based diagnostics and therapeutics are expected to drive further growth in the microRNA market in the foreseeable future.

MicroRNA Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The MicroRNA market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of MicroRNA survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the MicroRNA industry.

Key market trends defining the global MicroRNA demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

MicroRNA Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The MicroRNA industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support MicroRNA companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the MicroRNA industry

Leading MicroRNA companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 MicroRNA companies.

MicroRNA Market Study- Strategic Analysis Review

The MicroRNA market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage

strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

MicroRNA Market Size Outlook- Historic and Forecast Revenue in Three Cases

The MicroRNA industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

MicroRNA Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America MicroRNA Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various MicroRNA market segments. Similarly, Strong end-user demand is encouraging Canadian MicroRNA companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico MicroRNA market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe MicroRNA Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European

MicroRNA industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European MicroRNA market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific MicroRNA Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for MicroRNA in Asia Pacific. In particular, China, India, and South East Asian MicroRNA markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America MicroRNA Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa MicroRNA Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East MicroRNA market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for MicroRNA.

MicroRNA Market Company Profiles

The global MicroRNA market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Thermo Fisher Scientific, Inc., QIAGEN, Horizon Discovery Group plc., NanoString Technologies, Inc., Merck KGaA, Takara Bio, Inc., LGC Limited, BioGenex, GeneCopoeia, Inc., New England Biolabs

Recent MicroRNA Market Developments

The global MicroRNA market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

MicroRNA Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Services Type

Isolation & Purification

miRNA cDNA Synthesis

Profiling, Localization, & Quantification

Functional Analysis

Others

By Specimen Type

Whole Blood

Serum

Plasma

FFPE

Fresh Frozen Tissue

Others

By Instruments

Technology

-Real Time PCR

-Microarray

-NGS

-Others

Workflow

-Isolation & Purification

-miRNA cDNA Synthesis

-Profiling, Localization, & Quantification

-Functional Analysis & Others

-Others

By Consumables

Specimens

-Whole Blood

-Serum

-Plasma

-FFPE

-Fresh Frozen Tissue

-Others

Workflow

-Isolation & Purification

-miRNA cDNA Synthesis

-Profiling, Localization, & Quantification

-Functional Analysis

-Others

By Application

Cancer

Infectious Diseases

Immunological Disorder

Cardiovascular Disease

Neurological Disease

Others

By End-User

Biotechnology & Pharmaceutical Companies

Academic & Government Research Institutes

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Thermo Fisher Scientific, Inc.

QIAGEN

Horizon Discovery Group plc.

NanoString Technologies, Inc.

Merck KGaA

Takara Bio, Inc.

LGC Limited

BioGenex

GeneCopoeia, Inc.

New England Biolabs

Formats Available: Excel, PDF, and PPT

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 - miRNA cDNA Synthesis
 - Profiling, Localization, & Quantification
 - Functional Analysis

Others

By Specimen Type

Whole Blood

Serum

Plasma

FFPE

Fresh Frozen Tissue

Others

By Instruments

Technology

-Real Time PCR

-Microarray

-NGS

-Others

Workflow

-Isolation & Purification

-miRNA cDNA Synthesis

-Profiling, Localization, & Quantification

-Functional Analysis & Others

-Others

By Consumables

Specimens

-Whole Blood

-Serum

-Plasma

-FFPE

-Fresh Frozen Tissue

-Others

Workflow

-Isolation & Purification

-miRNA cDNA Synthesis

-Profiling, Localization, & Quantification

-Functional Analysis

-Others

By Application

Cancer

Infectious Diseases

Immunological Disorder

Cardiovascular Disease

Neurological Disease

Others

By End-User

Biotechnology & Pharmaceutical Companies

Academic & Government Research Institutes

Others

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QIAGEN

Horizon Discovery Group plc.

NanoString Technologies, Inc.

Merck KGaA

Takara Bio, Inc.

LGC Limited

BioGenex

GeneCopoeia, Inc.

New England Biolabs

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