

# **Global MicroRNA Market Size study, by Product (Instruments, Kits & Reagent), by Application (Isolation & Purification, Detection & Quantification, Disease Diagnostics, Others), by End-Use (Pharma & Biotech Companies, Academic & Research Institutes, Healthcare Facilities, Others) and Regional Forecasts 2020-2027**

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## **Abstracts**

Global MicroRNA Market is valued at approximately USD 714 million in 2019 and is anticipated to grow with a healthy growth rate of more than 19.8% over the forecast period 2020-2027. MicroRNA, or miRNA, is a minor single-trapped non-coding RNA molecule, usually found in animals, plants, and some viruses, that regulates the gene expression post-transcriptionally. miRNAs typically function through base-pairing with corresponding sequences within mRNA molecules. More often, they are well-known for their benefits in treatment and diagnosis of several diseases, including cancer, neurological disorder, infectious diseases, liver diseases, metabolic diseases, and coronary heart diseases. For example, in the case of cancer, the overexpressed miRNA are frequently studied oncogenes. Few of them are expressed in extreme low level in specific cancerous cells and typically helps in preventing tumor developments. Therefore, the high presence of cancer patients in the region driving the demand for MicroRNA market. For instance, the International Agency for Research on Cancer (IARC) found that the prevalence rate and mortality cases of cancer have been alarming in the present scenario, owing to the rapid population growth and socio-economic development. In 2018, around 18.1 million new cancer cases were reported across the world and is anticipated to reach almost 27.5 million new cancer cases by 2040. This increased prevalence of cancer and other chronic diseases may result in the high adoption of miRNA market around the world. In addition, the introduction of new RNA

technology for treating genetic disorders is further fuelling the demand of overall market. For instance, in August 2018, BioNTech AG has collaborated with Pfizer to develop Messenger RNA (mRNA)-based influenza vaccines. These stimulating strategic collaborations has led to ground-breaking developments in the RNA-based therapeutics field. This, in turn, is likely to strengthen the demand for MicroRNA, globally. However, the high cost related to microRNA kits and other products, coupled with limited availability of life science infrastructure in emerging countries are the few factors impeding the market growth over the forecast period of 2020-2027.

The regional analysis of the global MicroRNA market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the rising awareness about the benefits of MicroRNA among life science-based institutions, along with the growing number of market vendors in the region. Whereas, Asia-Pacific is anticipated to exhibit the highest growth rate / CAGR over the forecast period 2020-2027. Factors such as growing prevalence of chronic diseases, such as cancer and cardiovascular, along with growing spending on development of biotechnology infrastructure in emerging countries, such as China and India, are the few factors creating lucrative growth opportunities for the MicroRNA market in the region.

Major market player included in this report are:

Qiagen N.V.

Thermo Fisher Scientific

BioVendor

Takara Bio Inc.

Merck KGaA

NanoString Technologies, Inc.

Heim Biotek

GeneCopoeia, Inc.

Horizon Discovery Group Co.

Synlogic, Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest

along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

**By Product:**

Instruments

Reagent

**By Application:**

Isolation & Purification

Detection & Quantification

Disease Diagnostics

Others

**By End-Use:**

Pharma & Biotech Companies

Academic & Research Institutes

Healthcare Facilities

Others

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018  
Base year – 2019  
Forecast period – 2020 to 2027

Target Audience of the Global MicroRNA Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2027 (USD Million)
  - 1.2.1. MicroRNA Market, by Region, 2018-2027 (USD Million)
  - 1.2.2. MicroRNA Market, by Product, 2018-2027 (USD Million)
  - 1.2.3. MicroRNA Market, by Application, 2018-2027 (USD Million)
  - 1.2.4. MicroRNA Market, by End-Use, 2018-2027 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL MICRORNA MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL MICRORNA MARKET DYNAMICS

- 3.1. MicroRNA Market Impact Analysis (2018-2027)
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### CHAPTER 4. GLOBAL MICRORNA MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2017-2027)

- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL MICRORNA MARKET, BY PRODUCT**

- 5.1. Market Snapshot
- 5.2. Global MicroRNA Market by Product, Performance - Potential Analysis
- 5.3. Global MicroRNA Market Estimates & Forecasts by Product 2017-2027 (USD Million)
- 5.4. MicroRNA Market, Sub Segment Analysis
  - 5.4.1. Instruments
  - 5.4.2. Kits & Reagents

## **CHAPTER 6. GLOBAL MICRORNA MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global MicroRNA Market by Application, Performance - Potential Analysis
- 6.3. Global MicroRNA Market Estimates & Forecasts by Application 2017-2027 (USD Million)
- 6.4. MicroRNA Market, Sub Segment Analysis
  - 6.4.1. Isolation & Purification
  - 6.4.2. Detection & Quantification
  - 6.4.3. Disease Diagnostics
  - 6.4.4. Others

## **CHAPTER 7. GLOBAL MICRORNA MARKET, BY END-USE**

- 7.1. Market Snapshot
- 7.2. Global MicroRNA Market by End-Use - Potential Analysis
- 7.3. Global MicroRNA Market Estimates & Forecasts by End-Use 2017-2027 (USD Million)
- 7.4. MicroRNA Market, Sub Segment Analysis
  - 7.4.1. Pharma & Biotech Companies
  - 7.4.2. Academic & Research Institutes

7.4.3. Healthcare Facilities

7.4.4. Others

## **CHAPTER 8. GLOBAL MICRORNA MARKET, REGIONAL ANALYSIS**

8.1. MicroRNA Market, Regional Market Snapshot

8.2. North America MicroRNA Market

8.2.1. U.S. MicroRNA Market

8.2.1.1. Product breakdown estimates & forecasts, 2017-2027

8.2.1.2. Application breakdown estimates & forecasts, 2017-2027

8.2.1.3. End-Use breakdown estimates & forecasts, 2017-2027

8.2.2. Canada MicroRNA Market

8.3. Europe MicroRNA Market Snapshot

8.3.1. U.K. MicroRNA Market

8.3.2. Germany MicroRNA Market

8.3.3. France MicroRNA Market

8.3.4. Spain MicroRNA Market

8.3.5. Italy MicroRNA Market

8.3.6. Rest of Europe MicroRNA Market

8.4. Asia-Pacific MicroRNA Market Snapshot

8.4.1. China MicroRNA Market

8.4.2. India MicroRNA Market

8.4.3. Japan MicroRNA Market

8.4.4. Australia MicroRNA Market

8.4.5. South Korea MicroRNA Market

8.4.6. Rest of Asia Pacific MicroRNA Market

8.5. Latin America MicroRNA Market Snapshot

8.5.1. Brazil MicroRNA Market

8.5.2. Mexico MicroRNA Market

8.6. Rest of The World MicroRNA Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

9.1. Top Market Strategies

9.2. Company Profiles

9.2.1. Qiagen N.V.

9.2.1.1. Key Information

9.2.1.2. Overview

9.2.1.3. Financial (Subject to Data Availability)

- 9.2.1.4. Product Summary
- 9.2.1.5. Recent Developments
- 9.2.2. Thermo Fisher Scientific
- 9.2.3. BioVendor
- 9.2.4. Takara Bio Inc.
- 9.2.5. Merck KGaA
- 9.2.6. NanoString Technologies, Inc.
- 9.2.7. Heim Biotek
- 9.2.8. GeneCopoeia, Inc.
- 9.2.9. Horizon Discovery Group Co.
- 9.2.10. Synlogic, Inc.

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global MicroRNA market, report scope

TABLE 2. Global MicroRNA market estimates & forecasts by region 2017-2027 (USD Million)

TABLE 3. Global MicroRNA market estimates & forecasts by Product 2017-2027 (USD Million)

TABLE 4. Global MicroRNA market estimates & forecasts by Services 2017-2027 (USD Million)

TABLE 5. Global MicroRNA market estimates & forecasts by Application 2017-2027 (USD Million)

TABLE 6. Global MicroRNA market estimates & forecasts by End-Use 2017-2027 (USD Million)

TABLE 7. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 8. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 9. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 10. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 11. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 12. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 13. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 14. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 15. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 16. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 17. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 18. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 19. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 20. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 21. Global MicroRNA market by segment, estimates & forecasts, 2017-2027 (USD Million)

TABLE 22. Global MicroRNA market by region, estimates & forecasts, 2017-2027 (USD Million)

TABLE 23. U.S. MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 24. U.S. MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 25. U.S. MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 26. Canada MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 27. Canada MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 28. Canada MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 29. UK MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 30. UK MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 31. UK MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 32. Germany MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 33. Germany MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 34. Germany MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 35. France MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 36. France MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 37. France MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 38. Spain MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 39. Spain MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 40. Spain MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 41. Italy MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 42. Italy MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 43. Italy MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 44. ROE MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 45. ROE MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 46. ROE MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 47. China MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 48. China MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 49. China MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 50. India MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 51. India MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 52. India MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 53. Japan MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 54. Japan MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 55. Japan MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 56. Australia MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 57. Australia MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 58. Australia MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 59. South Korea MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 60. South Korea MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 61. South Korea MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 62. ROPAC MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 63. ROPAC MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 64. ROPAC MicroRNA market estimates & forecasts by segment 2017-2027

(USD Million)

TABLE 65. Brazil MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 66. Brazil MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 67. Brazil MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 68. Mexico MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 69. Mexico MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 70. Mexico MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 71. ROLA MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 72. ROLA MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 73. ROLA MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 74. ROW MicroRNA market estimates & forecasts, 2017-2027 (USD Million)

TABLE 75. ROW MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 76. ROW MicroRNA market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 77. List of secondary sources, used in the study of global MicroRNA market

TABLE 78. List of primary sources, used in the study of global MicroRNA market

TABLE 79. Years considered for the study

TABLE 80. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global MicroRNA market, research methodology
- FIG 2. Global MicroRNA market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global MicroRNA market, key trends 2019
- FIG 5. Global MicroRNA market, growth prospects 2020-2027
- FIG 6. Global MicroRNA market, porters 5 force model
- FIG 7. Global MicroRNA market, pest analysis
- FIG 8. Global MicroRNA market, value chain analysis
- FIG 9. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 10. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 11. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 12. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 13. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 14. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 15. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 16. Global MicroRNA market by segment, 2017 & 2027 (USD Million)
- FIG 17. Global MicroRNA market, regional snapshot 2017 & 2027
- FIG 18. North America MicroRNA market 2017 & 2027 (USD Million)
- FIG 19. Europe MicroRNA market 2017 & 2027 (USD Million)
- FIG 20. Asia-Pacific MicroRNA market 2017 & 2027 (USD Million)
- FIG 21. Latin America MicroRNA market 2017 & 2027 (USD Million)
- FIG 22. Global MicroRNA market, company market share analysis (2019)

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