

# Global RNA Sequencing Market - Forecasts from 2017 to 2022

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## Abstracts

The global RNA sequencing (RNA-Seq) market is projected to witness a significant growth rate during the forecast period, growing at a CAGR of 12.07% during the forecast period to reach a total market size of US\$3.692 billion by 2022, increasing from US\$1.863 billion in 2016. Viral evolution and increasing incidence of genetic disorders have elevated the need for technical advancements in RNA sequencing products which are expected to drive the market over the projected period. Increasing grants for RNA sequencing have led to increasing number of research activities involving RNA sequencing. However, lack of skilled professionals required for RNA sequencing will impede the market growth. Moreover, strict government regulations in some regions will further slow down the growth rate of the market.

### Research Methodology

The report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segments which have been covered as part of the report.

### Market Dynamics

The next section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides global and regional regulations which are determining the market growth and industry value chain analysis of the global RNA sequencing market. Complete industry analysis has also been covered through Porter's five forces model as a part of this report section.

## Competitive Insight

The major players discussed in this report include Illumina, Inc., MacroGen Inc., GATC Biotech AG., Eurofins Scientific, PerkinElmer Inc., and Oxford Nanopore Technologies among few others.

## Segmentation

In the report, global RNA sequencing market has been segmented by technology, applications, end-user, and geography:

### By Technology

- Ion Semiconductor Sequencing
- Single-Molecule Real-Time (SMRT) Sequencing
- Nanopore Sequencing
- Sequencing By Synthesis (SBS)

### By Applications

- Small RNA Sequencing
- Expression Profiling Analysis
- De Novo Transcriptome Assembly
- Variant Calling and Transcriptome Epigenetics

### By End-User

- Research Centers
- Biotechnology Labs
- Healthcare Centers
- Others

### By Geography

- North America
- South America
- Europe
- Middle East and Africa (MEA)
- Asia Pacific (APAC)

## Contents

### **1. INTRODUCTION**

- 1.1. Market Definition
- 1.2. Scope of the Study
- 1.3. Currency
- 1.4. Assumptions
- 1.5. Base, and Forecast Years Timeline

### **2. RESEARCH METHODOLOGY**

- 2.1. Research Design
- 2.2. Secondary Sources
- 2.3. Validation

### **3. KEY FINDINGS OF THE STUDY**

### **4. MARKET DYNAMICS**

- 4.1. Drivers
- 4.2. Restraints
- 4.3. Opportunities and Market Trends
- 4.4. Market Segmentation
- 4.5. Porter's Five Forces Analysis
  - 4.5.1. Bargaining Power of Suppliers
  - 4.5.2. Bargaining Power of Buyers
  - 4.5.3. Threat of New Entrants
  - 4.5.4. Threat of Substitutes
  - 4.5.5. Competitive Rivalry in the Industry
- 4.6. Industry Value Chain Analysis
- 4.7. Industry Regulations

### **5. GLOBAL RNA SEQUENCING MARKET FORECAST BY TECHNOLOGY (US\$ BILLION)**

- 5.1. Introduction
- 5.2. Ion Semiconductor Sequencing
- 5.3. Single-Molecule Real-Time (SMRT) Sequencing

- 5.4. Nanopore Sequencing
- 5.5. Sequencing By Synthesis (SBS)

## **6. GLOBAL RNA SEQUENCING MARKET FORECAST BY APPLICATION (US\$ BILLION)**

- 6.1. Introduction
- 6.2. Small RNA Sequencing
- 6.3. Expression Profiling Analysis
- 6.4. De Novo Transcriptome Assembly
- 6.5. Variant Calling and Transcriptome Epigenetics

## **7. GLOBAL RNA SEQUENCING MARKET FORECAST BY END-USER (US\$ BILLION)**

- 7.1. Introduction
- 7.2. Research Centers
- 7.3. Biotechnology Labs
- 7.4. Healthcare Centers
- 7.5. Others

## **8. GLOBAL RNA SEQUENCING MARKET FORECAST BY GEOGRAPHY (US\$ BILLION)**

- 8.1. Introduction
- 8.2. North America
- 8.3. South America
- 8.4. Europe
- 8.5. Middle East and Africa (MEA)
- 8.6. Asia Pacific (APAC)

## **9. COMPETITIVE INTELLIGENCE**

- 9.1. Market Share Analysis
- 9.2. Strategies of Key Players
- 9.3. Recent Investments and Deals

## **10. COMPANY PROFILES**

- 10.1. Illumina, Inc.
  - 10.1.1. Overview
  - 10.1.2. Financials
  - 10.1.3. Products and Services
  - 10.1.4. Key Developments
- 10.2. Macrogen Inc.
  - 10.2.1. Overview
  - 10.2.2. Financials
  - 10.2.3. Products and Services
  - 10.2.4. Key Developments
- 10.3. GATC Biotech AG.
  - 10.3.1. Overview
  - 10.3.2. Financials
  - 10.3.3. Products and Services
  - 10.3.4. Key Developments
- 10.4. Eurofins Scientific
  - 10.4.1. Overview
  - 10.4.2. Financials
  - 10.4.3. Products and Services
  - 10.4.4. Key Developments
- 10.5. PerkinElmer Inc.
  - 10.5.1. Overview
  - 10.5.2. Financials
  - 10.5.3. Products and Services
  - 10.5.4. Key Developments
- 10.6. Oxford Nanopore Technologies
  - 10.6.1. Overview
  - 10.6.2. Financials
  - 10.6.3. Products and Services
  - 10.6.4. Key Developments
- 10.7. BGI (Beijing Genomics Institute)
  - 10.7.1. Overview
  - 10.7.2. Financials
  - 10.7.3. Products and Services
  - 10.7.4. Key Developments
- 10.8. Pacific Biosciences of California, Inc.
  - 10.8.1. Overview
  - 10.8.2. Financials
  - 10.8.3. Products and Services

#### 10.8.4. Key Developments

List of Tables

List of Figures

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