

# **Next Generation Sequencing (NGS) Market by Product (Consumables, Platforms, and Services) Application (Biomarkers & Cancer, Diagnostics, Reproductive Health, Personalized Medicine, Agriculture & Animal Research, and Other Applications), Technology (Sequencing by Synthesis, Ion Semiconductor Sequencing, Sequencing by Ligation, Pyrosequencing, Single Molecule Real Time Sequencing, and Other Technologies), and End User (Academic & Clinical Research Centers, Pharmaceutical & Biotechnology Companies, Hospitals & Clinics, and Other End User): Global Opportunity Analysis and Industry Forecast, 2019–2026**

<https://marketpublishers.com/r/NCDD7449E16EN.html>

Date: June 2019

Pages: 369

Price: US\$ 5,370.00 (Single User License)

ID: NCDD7449E16EN

## **Abstracts**

The global next generation sequencing market size was valued at \$4,533 million in 2018, and is estimated to reach \$18,565 million by 2026, growing at a CAGR of 19.2% from 2019 to 2026.

Next generation sequencing (NGS) is a novel procedure for sequencing genomes at low costs and high speed with improved efficiency. NGS also known as deep sequencing and parallel sequencing is a technology that has revolutionized molecular biology and genomics research. It is a high throughput, non-Sanger based sequencing method.

Next generation sequencing has made sequencing of genomes very rapid and cost-effective. Through this method, billions of DNA strands can be sequenced efficiently. Next generation sequencing has made it possible to conveniently sequence whole genomes, and analyze various DNA-protein interactions. This technique allows the researcher to focus, study, and interpret deep sequence target regions. Next generation sequencing can be utilized through varied interventions such as oncology, biomarker studies, drug discovery, understanding reproductive health, and personalized genomics.

Technological advancements in sequencing platforms, surge in applications of next generation sequencing, and increase in genome mapping programs drive the growth of the global next generation sequencing market. In addition, rise in awareness pertaining to next generation sequencing and increase in investment in research, development, and innovation supplement the market growth. However, lack of skilled professionals, ethical & legal limitation related to next generation sequencing, and standardization concerns in sequencing procedures impede the market growth. Furthermore, use of cloud computing as a potential data management service and untapped emerging economies offer lucrative opportunities for the market players.

The next generation sequencing market is segmented based on product, application, technology, end user, and region. Based on product, the market is divided into consumables, platforms, and services. The consumables product segment is further bifurcated as sample preparation consumables and other consumables. The sample preparation consumables are further segmented into DNA fragmentation, end repair, A-Tailing & size selection, library preparation & target enrichment, and quality control. The platform NGS product segment is classified into HiSeq, MiSeq, Ion Torrent, SOLiD, Pacbio Rs II & Sequel System, and other sequencing platforms. The services segment is divided into sequencing services and data management services. The sequencing services is further divided into RNA Sequencing, Whole Exome Sequencing, Whole Genome Sequencing, Targeted Sequencing, Chip Sequencing, De Novo Sequencing, and Methyl Sequencing. The data management services further divided into NGS data analysis services, NGS data analysis software & workbenches, and NGS storage, management & cloud computing solutions. Based on application, the market is divided into diagnostics, biomarkers and cancer, reproductive health, personalized medicine, agriculture and animal research, other applications. By Technology, market is segmented into sequencing by synthesis, ion semiconductor sequencing, sequencing by ligation, pyrosequencing, single molecule real time sequencing, and other technologies. Depends on end user, market is categorized into academic & clinical research centers, pharmaceutical & biotechnology companies, hospitals & clinics, and

other end user. Based on region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Based on region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA. North America accounted for the largest market share in the next generation sequencing market in 2015, and is expected to retain its dominance throughout the forecast period. This is primarily attributed to higher buying power, availability, and applications that favor the utilization of NGS in this region. There is also an increase in agreements and collaborations between different market players and health centers to promote and utilize NGS in this region. However, Asia-Pacific is expected to emerge as a lucrative area with maximum growth potential, owing to the improvement in R&D facilities, available disposable income, and rapidly developing economic conditions.

Product development is the key strategy adopted by market players. The report provides a comprehensive analysis of the key players that operate in the global next generation sequencing market.

## KEY MARKET BENEFITS

The study provides an in-depth analysis of the global next generation sequencing market along with the current trends and future estimations to elucidate the imminent investment pockets.

The report presents quantitative analysis of the market for the period of 2014–2022 to enable stakeholders to capitalize on the prevailing market opportunities.

Extensive analysis of the market based on product type assists in understanding the trends in the industry.

Key market players along with their strategies are thoroughly analyzed to understand the competitive outlook of the industry

## KEY MARKET SEGMENTS

By Product

## Consumables

### Sample Preparation Consumables

DNA Fragmentation, End Repair, A-Tailing and Size Selection

Library Preparation & Target Enrichment

Quality Control

### Other Consumables

## Platforms

HiSeq

MiSeq

Ion Torrent

SOLiD

Pacbio Rs II and Sequel System

### Other Sequencing Platforms

## Services

### Sequencing Services

RNA Sequencing

Whole Exome Sequencing

Whole Genome Sequencing

Targeted Sequencing

Chip Sequencing

De Novo Sequencing

Methyl Sequencing

Data Management Services

NGS Data Analysis Services

NGS Data Analysis Software & Workbenches

NGS Storage, Management and Cloud Computing Solutions

By Application

Diagnostics

Biomarkers and Cancer

Reproductive Health

Personalized Medicine

Agriculture and Animal Research

Other Applications

By Technology

Sequencing by Synthesis

Ion Semiconductor Sequencing

Sequencing by Ligation

Pyrosequencing

Single Molecule Real Time Sequencing

## Other Technologies

### By End User

Academic and Clinical Research Centers

Pharmaceutical and Biotechnology Companies

Hospitals and Clinics

Other End User

### By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

Australia

India

South Korea

Taiwan

Rest of Asia-Pacific

LAMEA

Brazil

Turkey

Saudi Arabia

South Africa

Rest of LAMEA

## KEY PLAYERS PROFILED

Illumina, Inc.

Thermo Fisher Scientific, Inc.

Pacific Biosciences of California, Inc.

Beijing Genomics Institute

Qiagen N.V.

454 Life Sciences Corporation (Roche Holding AG)

Agilent Technologies, Inc.

Perkinelmer, Inc.

Genomatix GmbH

PierianDx

Other players in the value chain include (profiles not included in the report)

Eurofins Scientific

Gatc Biotech AG

Macrogen, Inc.

Oxford Nanopore Technologies, Ltd.

Bio-Rad Laboratories, Inc.

DNASTAR, Inc.

Biomatters Ltd.

Partek Inc.

New England Biolabs, Inc.

Myriad Genetics, Inc.



## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective
- 2.2. Key findings
  - 2.2.1. Top impacting factors
  - 2.2.2. Top investment pockets

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Parent Market Overview
- 3.3. Key Forces Shaping Next generation sequencing Market
  - 3.3.1. Moderate bargaining power of suppliers
  - 3.3.2. Low threat of new entrants
  - 3.3.3. Low threat of substitutes
  - 3.3.4. Moderate intensity of rivalry
  - 3.3.5. High bargaining power of buyers
- 3.4. Pricing Analysis
  - 3.4.1. Pricing Analysis, By Region, 2018 & 2026
- 3.5. Market Evolution
- 3.6. Value Chain Analysis
- 3.7. Impact of Government Regulations on Global Next Generation Sequencing Market
- 3.8. Patent Analysis (2016-2018)
  - 3.8.1. Patent Analysis, by Year
  - 3.8.2. By Country
  - 3.8.3. By Applicant
- 3.9. Case Studies

- 3.9.1. Case Study
- 3.10. Market dynamics
  - 3.10.1. Drivers
    - 3.10.1.1. Technological advancements in NGS
    - 3.10.1.2. Surge in applications of NGS
    - 3.10.1.3. Increase in partnerships and collaborations
    - 3.10.1.4. Increase in genome mapping programs
  - 3.10.2. Restraints
    - 3.10.2.1. Standardization concerns over NGS based diagnostics
    - 3.10.2.2. Lack of skilled professionals
    - 3.10.2.3. Ethical and legal limitations
  - 3.10.3. Opportunities
    - 3.10.3.1. Lucrative opportunities in emerging markets
    - 3.10.3.2. Cloud computing: potential data management service

## **CHAPTER 4: NEXT GENERATION SEQUENCING MARKET, BY PRODUCT**

- 4.1. Overview
- 4.2. Market size and forecast
- 4.3. Consumables
  - 4.3.1. Key market trends, growth factors and opportunities
  - 4.3.2. Market size and forecast, by type
    - 4.3.2.1. Sample preparation consumables
      - 4.3.2.1.1. Market size and forecast, by type
        - 4.3.2.1.1.1. DNA Fragmentation, End Repair, A-Tailing and Size Selection
          - 4.3.2.1.1.1.1. Market size and forecast
        - 4.3.2.1.1.2. Library preparation & target enrichment
          - 4.3.2.1.1.2.1. Market size and forecast
        - 4.3.2.1.1.3. Quality Control
          - 4.3.2.1.1.3.1. Market size and forecast
    - 4.3.2.2. Other Consumables
      - 4.3.2.2.1. Market size and forecast
  - 4.3.3. Market size and forecast, by region
  - 4.3.4. Market analysis by country
- 4.4. Platforms
  - 4.4.1. Key market trends, growth factors, and opportunities
  - 4.4.2. Market size and forecast, by type
    - 4.4.2.1. HiSeq series
      - 4.4.2.1.1. Market size and forecast

- 4.4.2.2. MiSeq series
  - 4.4.2.2.1. Market size and forecast
- 4.4.2.3. ION Torrent
  - 4.4.2.3.1. Market size and forecast
- 4.4.2.4. SOLiD
  - 4.4.2.4.1. Market size and forecast
- 4.4.2.5. Pacbio Rs II and Sequel system
  - 4.4.2.5.1. Market size and forecast
- 4.4.2.6. Other Sequencing Platforms
  - 4.4.2.6.1. Market size and forecast
- 4.4.3. Market size and forecast, by region
- 4.4.4. Market analysis by country
- 4.5. Services
  - 4.5.1. Key market trends, growth factors and opportunities
  - 4.5.2. Market size and forecast, by type
    - 4.5.2.1. Sequencing Services
      - 4.5.2.1.1. Market size and forecast, by type
        - 4.5.2.1.1.1. RNA Sequencing
          - 4.5.2.1.1.1.1. Market size and forecast
        - 4.5.2.1.1.2. Whole exome sequencing
          - 4.5.2.1.1.2.1. Market size and forecast
        - 4.5.2.1.1.3. Whole genome sequencing
          - 4.5.2.1.1.3.1. Market size and forecast
        - 4.5.2.1.1.4. Targeted sequencing
          - 4.5.2.1.1.4.1. Market size and forecast
        - 4.5.2.1.1.5. Chip sequencing
          - 4.5.2.1.1.5.1. Market size and forecast
        - 4.5.2.1.1.6. De Novo sequencing
          - 4.5.2.1.1.6.1. Market size and forecast
        - 4.5.2.1.1.7. Methyl sequencing
          - 4.5.2.1.1.7.1. Market size and forecast
      - 4.5.2.1.2. Data management services
        - 4.5.2.2.1. Market size and forecast, by type
          - 4.5.2.2.1.1. NGS Data Analysis Services
            - 4.5.2.2.1.1.1. Market size and forecast
          - 4.5.2.2.1.2. NGS data analysis software & workbenches
            - 4.5.2.2.1.2.1. Market size and forecast
          - 4.5.2.2.1.3. NGS storage, management, and cloud computing solutions
            - 4.5.2.2.1.3.1. Market size and forecast

- 4.5.3. Market size and forecast, by region
- 4.5.4. Market analysis by country

## **CHAPTER 5: NEXT GENERATION SEQUENCING MARKET, BY APPLICATION**

- 5.1. Overview
- 5.2. Market size and forecast
- 5.3. Biomarkers and Cancer
  - 5.3.1. Market size and forecast, by region
  - 5.3.2. Market analysis by country
- 5.4. Diagnostics
  - 5.4.1. Market size and forecast, by region
  - 5.4.2. Market analysis by country
- 5.5. Reproductive Health
  - 5.5.1. Market size and forecast, by region
  - 5.5.2. Market analysis by country
- 5.6. Personalized Medicine
  - 5.6.1. Market size and forecast, by region
  - 5.6.2. Market analysis by country
- 5.7. Agriculture and Animal Research
  - 5.7.1. Market size and forecast, by region
  - 5.7.2. Market analysis by country
- 5.8. Other Applications
  - 5.8.1. Market size and forecast, by region
  - 5.8.2. Market analysis by country

## **CHAPTER 6: NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY**

- 6.1. Overview
- 6.2. Market size and forecast
- 6.3. Sequencing by Synthesis (SBS)
  - 6.3.1. Market size and forecast, by region
  - 6.3.2. Market analysis by country
- 6.4. Ion Semiconductor Sequencing (IOS)
  - 6.4.1. Market size and forecast, by region
  - 6.4.2. Market analysis by country
- 6.5. Sequencing by Ligation (SBL)
  - 6.5.1. Market size and forecast, by region
  - 6.5.2. Market analysis by country

- 6.6. Pyrosequencing
  - 6.6.1. Market size and forecast, by region
  - 6.6.2. Market analysis by country
- 6.7. Single-Molecule-Real-Time Sequencing (SMRT)
  - 6.7.1. Market size and forecast, by region
  - 6.7.2. Market analysis by country
- 6.8. Other Technologies
  - 6.8.1. Market size and forecast, by region
  - 6.8.2. Market analysis by country

## **CHAPTER 7: NEXT GENERATION SEQUENCING MARKET, BY END USER**

- 7.1. Overview
- 7.2. Market size and forecast
- 7.3. Academic and Clinical Research Centers
  - 7.3.1. Market size and forecast, by region
  - 7.3.2. Market analysis by country
- 7.4. Pharmaceutical and Biotechnology Companies
  - 7.4.1. Market size and forecast, by region
  - 7.4.2. Market analysis by country
- 7.5. Hospitals and Clinics
  - 7.5.1. Market size and forecast, by region
  - 7.5.2. Market analysis by country
- 7.6. Other End Users
  - 7.6.1. Market size and forecast, by region
  - 7.6.2. Market analysis by country

## **CHAPTER 8: NEXT GENERATION SEQUENCING MARKET, BY REGION**

- 8.1. OVERVIEW
  - 8.1.1. Market size and forecast
- 8.2. North America
  - 8.2.1. Key market trends and opportunities
  - 8.2.2. North America next generation sequencing market, by country
    - 8.2.2.1. U.S. next generation sequencing market, by product
    - 8.2.2.2. U.S. next generation sequencing market, by application
    - 8.2.2.3. U.S. next generation sequencing market, by technology
    - 8.2.2.4. U.S. next generation sequencing market, by end user
    - 8.2.2.5. Canada next generation sequencing market, by product

- 8.2.2.6. Canada next generation sequencing market, by application
- 8.2.2.7. Canada next generation sequencing market, by technology
- 8.2.2.8. Canada next generation sequencing market, by end user
- 8.2.2.9. Mexico next generation sequencing market, by product
- 8.2.2.10. Mexico next generation sequencing market, by application
- 8.2.2.11. Mexico next generation sequencing market, by technology
- 8.2.2.12. Mexico next generation sequencing market, by end user
- 8.2.3. North America next generation sequencing market, by product
- 8.2.4. North America next generation sequencing market, by application
- 8.2.5. North America next generation sequencing market, by technology
- 8.2.6. North America next generation sequencing market, by end user
- 8.2.7. Europe
- 8.2.8. Key market trends and opportunities
- 8.2.9. Europe next generation sequencing market, by country
  - 8.2.9.1. Germany next generation sequencing market, by product
  - 8.2.9.2. Germany next generation sequencing market, by application
  - 8.2.9.3. Germany next generation sequencing market, by technology
  - 8.2.9.4. Germany next generation sequencing market, by end user
  - 8.2.9.5. France next generation sequencing market, by product
  - 8.2.9.6. France next generation sequencing market, by application
  - 8.2.9.7. France next generation sequencing market, by technology
  - 8.2.9.8. France next generation sequencing market, by end user
  - 8.2.9.9. Italy next generation sequencing market, by product
  - 8.2.9.10. Italy next generation sequencing market, by application
  - 8.2.9.11. Italy next generation sequencing market, by technology
  - 8.2.9.12. Italy next generation sequencing market, by end user
  - 8.2.9.13. UK next generation sequencing market, by product
  - 8.2.9.14. UK next generation sequencing market, by application
  - 8.2.9.15. UK next generation sequencing market, by technology
  - 8.2.9.16. UK next generation sequencing market, by end user
  - 8.2.9.17. Rest of Europe next generation sequencing market, by product
  - 8.2.9.18. Rest of Europe next generation sequencing market, by application
  - 8.2.9.19. Rest of Europe next generation sequencing market, by technology
  - 8.2.9.20. Rest of Europe next generation sequencing market, by end user
- 8.2.10. Europe next generation sequencing market, by product
- 8.2.11. Europe next generation sequencing market, by application
- 8.2.12. Europe next generation sequencing market, by technology
- 8.2.13. Europe next generation sequencing market, by end user
- 8.3. Asia-Pacific

### 8.3.1. Key market trends and opportunities

### 8.3.2. Asia-Pacific next generation sequencing market, by country

#### 8.3.2.1. Australia next generation sequencing market, by product

#### 8.3.2.2. Australia next generation sequencing market, by application

#### 8.3.2.3. Australia next generation sequencing market, by technology

#### 8.3.2.4. Australia next generation sequencing market, by end user

#### 8.3.2.5. Japan next generation sequencing market, by product

#### 8.3.2.6. Japan next generation sequencing market, by application

#### 8.3.2.7. Japan next generation sequencing market, by technology

#### 8.3.2.8. Japan next generation sequencing market, by end user

#### 8.3.2.9. India next generation sequencing market, by product

#### 8.3.2.10. India next generation sequencing market, by application

#### 8.3.2.11. India next generation sequencing market, by technology

#### 8.3.2.12. India next generation sequencing market, by end user

#### 8.3.2.13. China next generation sequencing market, by product

#### 8.3.2.14. China next generation sequencing market, by application

#### 8.3.2.15. China next generation sequencing market, by technology

#### 8.3.2.16. China next generation sequencing market, by end user

#### 8.3.2.17. South Korea next generation sequencing market, by product

#### 8.3.2.18. South Korea next generation sequencing market, by application

#### 8.3.2.19. South Korea next generation sequencing market, by technology

#### 8.3.2.20. South Korea next generation sequencing market, by end user

#### 8.3.2.21. Taiwan next generation sequencing market, by product

#### 8.3.2.22. Taiwan next generation sequencing market, by application

#### 8.3.2.23. Taiwan next generation sequencing market, by technology

#### 8.3.2.24. Taiwan next generation sequencing market, by end user

#### 8.3.2.25. Rest of Asia-Pacific next generation sequencing market, by product

#### 8.3.2.26. Rest of Asia-Pacific next generation sequencing market, by application

#### 8.3.2.27. Rest of Asia-Pacific next generation sequencing market, by technology

#### 8.3.2.28. Rest of Asia-Pacific next generation sequencing market, by end user

### 8.3.3. Asia-Pacific next generation sequencing market, by product

### 8.3.4. Asia-Pacific next generation sequencing market, by application

### 8.3.5. Asia-Pacific next generation sequencing market, by technology

### 8.3.6. Asia-Pacific next generation sequencing market, by end user

## 8.4. LAMEA

### 8.4.1. Key market trends and opportunities

### 8.4.2. LAMEA next generation sequencing market, by country

#### 8.4.2.1. Brazil next generation sequencing market, by product

#### 8.4.2.2. Brazil next generation sequencing market, by application

- 8.4.2.3. Brazil next generation sequencing market, by technology
- 8.4.2.4. Brazil next generation sequencing market, by end user
- 8.4.2.5. Saudi Arabia next generation sequencing market, by product
- 8.4.2.6. Saudi Arabia next generation sequencing market, by application
- 8.4.2.7. Saudi Arabia next generation sequencing market, by technology
- 8.4.2.8. Saudi Arabia next generation sequencing market, by end user
- 8.4.2.9. South Africa next generation sequencing market, by product
- 8.4.2.10. South Africa next generation sequencing market, by application
- 8.4.2.11. South Africa next generation sequencing market, by technology
- 8.4.2.12. South Africa next generation sequencing market, by end user
- 8.4.2.13. Rest of LAMEA next generation sequencing market, by product
- 8.4.2.14. Rest of LAMEA next generation sequencing market, by application
- 8.4.2.15. Rest of LAMEA next generation sequencing market, by technology
- 8.4.2.16. Rest of LAMEA next generation sequencing market, by end user
- 8.4.3. LAMEA next generation sequencing market, by product
- 8.4.4. LAMEA next generation sequencing market, by application
- 8.4.5. LAMEA next generation sequencing market, by technology
- 8.4.6. LAMEA next generation sequencing market, by end user

## **CHAPTER 9: COMPETITIVE LANDSCAPE**

- 9.1. Introduction
- 9.2. Market Share Analysis of Top Players, 2018 (%)
- 9.3. Product Mapping of Top 10 Player

## **CHAPTER 10: COMPANY PROFILES**

- 10.1. AGILENT TECHNOLOGIES, INC.
  - 10.1.1. Company overview
  - 10.1.2. Company snapshot
  - 10.1.3. Operating business segments
  - 10.1.4. Product portfolio
  - 10.1.5. Business performance
  - 10.1.6. Key strategic moves and developments
- 10.2. BEIJING GENOMICS INSTITUTE
  - 10.2.1. Company overview
  - 10.2.2. Company snapshot
  - 10.2.3. Operating business segments
  - 10.2.4. Product portfolio



- 10.2.5. Key strategic moves and developments
- 10.3. F. HOFFMANN-LA ROCHE LTD.
  - 10.3.1. Company overview
  - 10.3.2. Company snapshot
  - 10.3.3. Operating business segments
  - 10.3.4. Product portfolio
  - 10.3.5. Business performance
  - 10.3.6. Key strategic moves and developments
- 10.4. ILLUMINA, INC.
  - 10.4.1. Company overview
  - 10.4.2. Company snapshot
  - 10.4.3. Operating business segments
  - 10.4.4. Product portfolio
  - 10.4.5. Business Performance
  - 10.4.6. Key strategic moves and developments
- 10.5. INTREXON CORPORATION (Intrexon Bioinformatics Germany GMBH)
  - 10.5.1. Company overview
  - 10.5.2. Company snapshot
  - 10.5.3. Operating business segments
  - 10.5.4. Product portfolio
  - 10.5.5. Business Performance
- 10.6. PACIFIC BIOSCIENCES OF CALIFORNIA, INC.
  - 10.6.1. Company overview
  - 10.6.2. Company snapshot
  - 10.6.3. Operating business segments
  - 10.6.4. Product Portfolio
  - 10.6.5. Business performance
  - 10.6.6. Key strategic moves and developments
- PacBio offers various NGS products through its services:
- 10.7. PERKINELMER, INC.
  - 10.7.1. Company overview
  - 10.7.2. Company snapshot
  - 10.7.3. Operating business segments
  - 10.7.4. Product portfolio
  - 10.7.5. Business performance
  - 10.7.6. Key strategic moves and developments
- 10.8. PIERIANDX
  - 10.8.1. Company overview
  - 10.8.2. Company snapshot

- 10.8.3. Operating business segments
- 10.8.4. Product portfolio
- 10.8.5. Key strategic moves and developments
- 10.9. QIAGEN N.V.
  - 10.9.1. Company overview
  - 10.9.2. Company snapshot
  - 10.9.3. Operating business segments
  - 10.9.4. Product portfolio
  - 10.9.5. Business performance
  - 10.9.6. Key strategic moves and developments
- 10.10. THERMO FISHER SCIENTIFIC, INC.
  - 10.10.1. Company overview
  - 10.10.2. Company snapshot
  - 10.10.3. Operating business segments
  - 10.10.4. Product portfolio
  - 10.10.5. Business performance
  - 10.10.6. Key strategic moves and developments

## List Of Tables

### LIST OF TABLES

TABLE 01. GLOBAL NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018-2026 (\$MILLION)

TABLE 02. NEXT GENERATION SEQUENCING MARKET REVENUE FOR CONSUMABLES, BY TYPE 2018–2026 (\$MILLION)

TABLE 03. EAR BIONICS MARKET REVENUE, BY TYPE, 2018–2026 (\$MILLION)

TABLE 04. DNA FRAGMENTATION, END REPAIR, A-TAILING & SIZE SELECTION: KEY PRODUCTS

TABLE 05. LIBRARY PREPARATION & TARGET ENRICHMENT: KEY PRODUCTS

TABLE 06. NEXT GENERATION SEQUENCING MARKET REVENUE FOR CONSUMABLES, BY REGION 2018–2026(\$MILLION)

TABLE 07. NEXT GENERATION SEQUENCING MARKET REVENUE FOR PLATFORMS, BY TYPE 2018–2026(\$MILLION)

TABLE 08. NEXT GENERATION SEQUENCING MARKET REVENUE FOR PLATFORM, BY REGION 2018–2026(\$MILLION)

TABLE 09. NEXT GENERATION SEQUENCING MARKET REVENUE FOR SERVICES, BY TYPE 2018–2026 (\$MILLION)

TABLE 10. SEQUENCING SERVICES MARKET REVENUE, BY TYPE, 2018–2026 (\$MILLION)

TABLE 11. SEQUENCING SERVICES MARKET REVENUE, BY TYPE, 2018–2026 (\$MILLION)

TABLE 12. NGS DATA ANALYSIS SOFTWARE & WORKBENCHES: KEY PRODUCTS

TABLE 13. NEXT GENERATION SEQUENCING MARKET REVENUE FOR SERVICES, BY REGION 2018–2026(\$MILLION)

TABLE 14. GLOBAL NEXT GENERATION SEQUENCING MARKET REVENUE, BY APPLICATION, 2018-2026 (\$MILLION)

TABLE 15. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT GENERATION SEQUENCING FOR BIOMARKERS AND CANCER, BY REGION 2018–2026(\$MILLION)

TABLE 16. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT GENERATION SEQUENCING FOR DIAGNOSTICS, BY REGION 2018–2026(\$MILLION)

TABLE 17. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT GENERATION SEQUENCING FOR REPRODUCTIVE HEALTH, BY REGION 2018–2026(\$MILLION)

TABLE 18. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT

GENERATION SEQUENCING FOR PERSONALIZED MEDICINE, BY REGION  
2018–2026(\$MILLION)

TABLE 19. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR AGRICULTURE AND ANIMAL RESEARCH, BY  
REGION 2018–2026(\$MILLION)

TABLE 20. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR OTHER APPLICATIONS, BY REGION  
2018–2026(\$MILLION)

TABLE 21. GLOBAL NEXT GENERATION SEQUENCING MARKET REVENUE, BY  
TECHNOLOGY, 2018-2026 (\$MILLION)

TABLE 22. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR SEQUENCING BY SYNTHESIS, BY REGION  
2018–2026(\$MILLION)

TABLE 23. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR ION SEMICONDUCTOR SEQUENCING, BY  
REGION 2018–2026(\$MILLION)

TABLE 24. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR SEQUENCING BY LIGATION, BY REGION  
2018–2026(\$MILLION)

TABLE 25. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR PYROSEQUENCING, BY REGION  
2018–2026(\$MILLION)

TABLE 26. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR SINGLE-MOLECULE-REAL-TIME SEQUENCING,  
BY REGION 2018–2026(\$MILLION)

TABLE 27. NEXT GENERATION SEQUENCING MARKET REVENUE OF NEXT  
GENERATION SEQUENCING FOR OTHER TECHNOLOGIES, BY REGION  
2018–2026(\$MILLION)

TABLE 28. GLOBAL NEXT GENERATION SEQUENCING MARKET REVENUE, BY  
END USER, 2018–2026 (\$MILLION)

TABLE 29. NEXT GENERATION SEQUENCING MARKET REVENUE FOR  
ACADEMIC AND CLINICAL RESEARCH CENTERS, BY REGION  
2018–2026(\$MILLION)

TABLE 30. NEXT GENERATION SEQUENCING MARKET REVENUE FOR  
PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY REGION,  
2018–2026(\$MILLION)

TABLE 31. NEXT GENERATION SEQUENCING MARKET REVENUE FOR  
HOSPITALS AND CLINICS, BY REGION, 2018–2026(\$MILLION)

TABLE 32. NEXT GENERATION SEQUENCING MARKET REVENUE FOR OTHER

END USERS, BY REGION, 2018–2026(\$MILLION)

TABLE 33. NEXT GENERATION SEQUENCING MARKET REVENUE, BY REGION, 2018–2026 (\$MILLION)

TABLE 34. NORTH AMERICA NEXT GENERATION SEQUENCING MARKET, BY COUNTRY, 2018–2026 (\$MILLION)

TABLE 35. U.S. NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 36. U.S. NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 37. U.S. NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 38. U.S. NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 39. CANADA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 40. CANADA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 41. CANADA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 42. CANADA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 43. MEXICO NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 44. MEXICO NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 45. MEXICO NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 46. MEXICO NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 47. NORTH AMERICA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 48. NORTH AMERICA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 49. NORTH AMERICA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 50. NORTH AMERICA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 51. EUROPE NEXT GENERATION SEQUENCING MARKET, BY COUNTRY, 2018–2026 (\$MILLION)

TABLE 52. GERMANY NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 53. GERMANY NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 54. GERMANY NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 55. GERMANY NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 56. FRANCE NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 57. FRANCE NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 58. FRANCE NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 59. FRANCE NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 60. ITALY NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 61. ITALY NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 62. ITALY NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 63. ITALY NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 64. UK NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 65. UK NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 66. UK NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 67. UK NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 68. REST OF EUROPE NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 69. REST OF EUROPE NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 70. REST OF EUROPE NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 71. REST OF EUROPE NEXT GENERATION SEQUENCING MARKET, BY

END USER, 2018–2026 (\$MILLION)

TABLE 72. EUROPE NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 73. EUROPE NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 74. EUROPE NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 75. EUROPE NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 76. ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY COUNTRY, 2018–2026 (\$MILLION)

TABLE 77. AUSTRALIA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 78. AUSTRALIA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 79. AUSTRALIA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 80. AUSTRALIA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 81. JAPAN NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 82. JAPAN NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 83. JAPAN NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 84. JAPAN NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 85. INDIA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 86. INDIA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 87. INDIA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 88. INDIA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 89. CHINA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 90. CHINA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 91. CHINA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 92. CHINA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 93. SOUTH KOREA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 94. SOUTH KOREA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 95. SOUTH KOREA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 96. SOUTH KOREA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 97. TAIWAN NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 98. TAIWAN NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 99. TAIWAN NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 100. TAIWAN NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 101. REST OF ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 102. REST OF ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 103. REST OF ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 104. REST OF ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 105. ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 106. ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 107. ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 108. ASIA-PACIFIC NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 109. LAMEA NEXT GENERATION SEQUENCING MARKET, BY COUNTRY, 2018–2026 (\$MILLION)

TABLE 110. BRAZIL NEXT GENERATION SEQUENCING MARKET, BY PRODUCT,



2018–2026 (\$MILLION)

TABLE 111. BRAZIL NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 112. BRAZIL NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 113. BRAZIL NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 114. SAUDI ARABIA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 115. SAUDI ARABIA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 116. SAUDI ARABIA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 117. SAUDI ARABIA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 118. SOUTH AFRICA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 119. SOUTH AFRICA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 120. SOUTH AFRICA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 121. SOUTH AFRICA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 122. REST OF LAMEA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 123. REST OF LAMEA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 124. REST OF LAMEA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 125. REST OF LAMEA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 126. LAMEA NEXT GENERATION SEQUENCING MARKET, BY PRODUCT, 2018–2026 (\$MILLION)

TABLE 127. LAMEA NEXT GENERATION SEQUENCING MARKET, BY APPLICATION, 2018–2026 (\$MILLION)

TABLE 128. LAMEA NEXT GENERATION SEQUENCING MARKET, BY TECHNOLOGY, 2018–2026 (\$MILLION)

TABLE 129. LAMEA NEXT GENERATION SEQUENCING MARKET, BY END USER, 2018–2026 (\$MILLION)

TABLE 130. AGILENT: COMPANY SNAPSHOT  
TABLE 131. AGILENT: OPERATING SEGMENTS  
TABLE 132. AGILENT: PRODUCT PORTFOLIO  
TABLE 133. BGI: COMPANY SNAPSHOT  
TABLE 134. BGI: OPERATING SEGMENTS  
TABLE 135. BGI: PRODUCT PORTFOLIO  
TABLE 136. ROCHE: COMPANY SNAPSHOT  
TABLE 137. ROCHE: OPERATING SEGMENTS  
TABLE 138. ROCHE: PRODUCT PORTFOLIO  
TABLE 139. ILLUMINA: COMPANY SNAPSHOT  
TABLE 140. ILLUMINA: OPERATING SEGMENTS  
TABLE 141. ILLUMINA: PRODUCT PORTFOLIO  
TABLE 142. INTREXON: COMPANY SNAPSHOT  
TABLE 143. INTREXON: OPERATING SEGMENTS  
TABLE 144. INTREXON: PRODUCT PORTFOLIO  
TABLE 145. PACBIO: COMPANY SNAPSHOT  
TABLE 146. PACBIO: OPERATING SEGMENTS  
TABLE 147. PACBIO: PRODUCT PORTFOLIO  
TABLE 148. PERKINELMER: COMPANY SNAPSHOT  
TABLE 149. PERKINELMER: OPERATING SEGMENTS  
TABLE 150. PERKINELMER: PRODUCT PORTFOLIO  
TABLE 151. PIERIANDX: COMPANY SNAPSHOT  
TABLE 152. PIERIANDX: OPERATING SEGMENTS  
TABLE 153. PIERIANDX: PRODUCT PORTFOLIO  
TABLE 154. QIAGEN: COMPANY SNAPSHOT  
TABLE 155. QIAGEN: OPERATING SEGMENTS  
TABLE 156. QIAGEN: PRODUCT PORTFOLIO  
TABLE 157. THERMO FISHER: COMPANY SNAPSHOT  
TABLE 158. THERMO FISHER: OPERATING SEGMENTS  
TABLE 159. THERMO FISHER: PRODUCT PORTFOLIO

## List Of Figures

### LIST OF FIGURES

- FIGURE 01. KEY MARKET SEGMENTS
- FIGURE 02. EXECUTIVE SUMMARY
- FIGURE 03. TOP IMPACTING FACTORS
- FIGURE 04. TOP INVESTMENT POCKETS
- FIGURE 05. MARKET EVOLUTION
- FIGURE 06. VALUE CHAIN ANALYSIS
- FIGURE 07. PATENTS ANALYSIS BY YEAR, 2016 THROUGH 2018
- FIGURE 08. PATENT ANALYSIS, BY COUNTRY
- FIGURE 09. PATENT ANALYSIS, BY APPLICANT
- FIGURE 10. NGS MARKET: PRODUCT & SERVICES SEGMENTATION
- FIGURE 11. DNA FRAGMENTATION, END REPAIR, A-TAILING AND SIZE SELECTION MARKET, 2018–2026 (\$MILLION)
- FIGURE 12. LIBRARY PREPARATION & TARGET ENRICHMENT MARKET, 2018–2026 (\$MILLION)
- FIGURE 13. QUALITY CONTROL MARKET, 2018–2026 (\$MILLION)
- FIGURE 14. OTHER CONSUMABLES MARKET, 2018–2026 (\$MILLION)
- FIGURE 15. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR CONSUMABLES, BY COUNTRY, 2018 & 2026 (%)
- FIGURE 16. HISEQ SERIES PLATFORM MARKET, 2018–2026 (\$MILLION)
- FIGURE 17. MISEQ SERIES PLATFORM MARKET, 2018–2026 (\$MILLION)
- FIGURE 18. ION TORRENT PLATFORM MARKET, 2018–2026 (\$MILLION)
- FIGURE 19. SOLID PLATFORM MARKET, 2018–2026 (\$MILLION)
- FIGURE 20. PACBIO RS II AND SEQUEL SYSTEM MARKET, 2018–2026 (\$MILLION)
- FIGURE 21. OTHER SEQUENCING PLATFORMS MARKET, 2018–2026 (\$MILLION)
- FIGURE 22. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR PLATFORM, BY COUNTRY, 2018 & 2026 (%)
- FIGURE 23. RNA SEQUENCING MARKET, 2018–2026 (\$MILLION)
- FIGURE 24. WHOLE EXOME SEQUENCING MARKET, 2018–2026 (\$MILLION)
- FIGURE 25. WHOLE GENOME SEQUENCING MARKET, 2018–2026 (\$MILLION)
- FIGURE 26. TARGETED SEQUENCING MARKET, 2018–2026 (\$MILLION)
- FIGURE 27. CHIP SEQUENCING MARKET, 2018–2026 (\$MILLION)
- FIGURE 28. DE NOVO SEQUENCING MARKET, 2018–2026 (\$MILLION)
- FIGURE 29. METHYL SEQUENCING MARKET, 2018–2026 (\$MILLION)
- FIGURE 30. NGS DATA ANALYSIS SERVICES MARKET, 2018–2026 (\$MILLION)
- FIGURE 31. NGS ANALYSIS SOFTWARE & WORKBENCHES MARKET, 2018–2026

(\$MILLION)

FIGURE 32. NGS STORAGE, MANAGEMENT, AND CLOUD COMPUTING SOLUTIONS MARKET, 2018–2026 (\$MILLION)

FIGURE 33. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR SERVICES, BY COUNTRY, 2018 & 2026 (%)

FIGURE 34. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING FOR BIOMARKERS AND CANCER, BY COUNTRY, 2018 & 2026 (%)

FIGURE 35. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR DIAGNOSTICS, BY COUNTRY, 2018 & 2026 (%)

FIGURE 36. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR REPRODUCTIVE HEALTH, BY COUNTRY, 2018 & 2026 (%)

FIGURE 37. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR PERSONALIZED MEDICINE, BY COUNTRY, 2018 & 2026 (%)

FIGURE 38. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR AGRICULTURE AND ANIMAL RESEARCH, BY COUNTRY, 2018 & 2026 (%)

FIGURE 39. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2018 & 2026 (%)

FIGURE 40. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING FOR SEQUENCING BY SYNTHESIS, BY COUNTRY, 2018 & 2026 (%)

FIGURE 41. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR ION SEMICONDUCTOR SEQUENCING, BY COUNTRY, 2018 & 2026 (%)

FIGURE 42. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR SEQUENCING BY LIGATION, BY COUNTRY, 2018 & 2026 (%)

FIGURE 43. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR PYROSEQUENCING, BY COUNTRY, 2018 & 2026 (%)

FIGURE 44. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR SINGLE-MOLECULE-REAL-TIME SEQUENCING, BY COUNTRY, 2018 & 2026 (%)

FIGURE 45. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR OTHER TECHNOLOGIES, BY COUNTRY, 2018 & 2026 (%)

FIGURE 46. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR ACADEMIC AND CLINICAL RESEARCH CENTERS,

BY COUNTRY, 2018 & 2026 (%)

FIGURE 47. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY COUNTRY, 2018 & 2026 (%)

FIGURE 48. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR HOSPITALS AND CLINICS, BY COUNTRY, 2018 & 2026 (%)

FIGURE 49. COMPARATIVE SHARE ANALYSIS OF NEXT GENERATION SEQUENCING MARKET FOR OTHER END USERS, BY COUNTRY, 2018 & 2026 (%)

FIGURE 50. MARKET SHARE ANALYSIS: NEXT GENERATION SEQUENCING MARKET, 2018 (%)

FIGURE 51. PRODUCT MAPPING OF TOP 10 PLAYERS

FIGURE 52. AGILENT: NET SALES, 2016–2018 (\$MILLION)

FIGURE 53. AGILENT: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 54. AGILENT: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 55. ROCHE: NET SALES, 2016–2018 (\$MILLION)

FIGURE 56. ROCHE: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 57. ROCHE: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 58. ILLUMINA: NET SALES, 2016–2018 (\$MILLION)

FIGURE 59. ILLUMINA: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 60. ILLUMINA: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 61. INTREXON: NET SALES, 2016–2018 (\$MILLION)

FIGURE 62. PACBIO: NET SALES, 2016–2018 (\$MILLION)

FIGURE 63. PACBIO: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 64. PERKINELMER: NET SALES, 2016–2018 (\$MILLION)

FIGURE 65. PERKINELMER: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 66. PERKINELMER: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 67. QIAGEN: NET SALES, 2016–2018 (\$MILLION)

FIGURE 68. QIAGEN: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 69. QIAGEN: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 70. THERMO FISHER: NET SALES, 2016–2018 (\$MILLION)

FIGURE 71. THERMO FISHER: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 72. THERMO FISHER: REVENUE SHARE BY REGION, 2018 (%)

## I would like to order

Product name: Next Generation Sequencing (NGS) Market by Product (Consumables, Platforms, and Services) Application (Biomarkers & Cancer, Diagnostics, Reproductive Health, Personalized Medicine, Agriculture & Animal Research, and Other Applications), Technology (Sequencing by Synthesis, Ion Semiconductor Sequencing, Sequencing by Ligation, Pyrosequencing, Single Molecule Real Time Sequencing, and Other Technologies), and End User (Academic & Clinical Research Centers, Pharmaceutical & Biotechnology Companies, Hospitals & Clinics, and Other End User): Global Opportunity Analysis and Industry Forecast, 2019–2026

Product link: <https://marketpublishers.com/r/NCDD7449E16EN.html>

Price: US\$ 5,370.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NCDD7449E16EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970