

# Global Genome Sequencing Equipment Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Genome Sequencing Equipment market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

There are several driving factors that have contributed to the development and importance of genome sequencing equipment. These include:

- 1. Advancements in DNA sequencing technologies:** Over the years, there have been significant advancements in DNA sequencing technologies, leading to the development of faster, more accurate, and cost-effective sequencing methods. These advancements have helped drive the demand for genome sequencing equipment as researchers and scientists can now sequence larger volumes of DNA more efficiently.
- 2. Research and medical applications:** Genome sequencing has become crucial in various research areas, such as genetics, genomics, and personalized medicine. It enables scientists to study the genetic makeup of individuals, identify disease-causing mutations, understand genetic variations, and develop targeted therapies. The importance of genome sequencing equipment is evident in research institutions, medical facilities, and diagnostic laboratories that require accurate and reliable sequencing results.
- 3. Decoding the human genome:** The completion of the Human Genome Project in 2003 has been a significant driver for genome sequencing equipment. This groundbreaking project involved the sequencing of the entire human genome and provided valuable insights into human genetics and biology. Since then, the demand for genome sequencing equipment has increased as researchers aim to decode the genetic information of individuals and populations.
- 4. Growing genomics market:** The genomics market has witnessed significant growth in recent years, driven by advancements in sequencing technologies and their applications in various industries. The increasing demand for

personalized medicine, precision agriculture, and advancements in genetic research has further fueled the need for genome sequencing equipment. 5. Lowering costs: The cost of genome sequencing has decreased dramatically since the advent of next-generation sequencing (NGS) technologies. This cost reduction has made genome sequencing more accessible and affordable to researchers, medical professionals, and other stakeholders. The downward trend in sequencing costs has driven the adoption of genome sequencing equipment in a wider range of applications and industries. 6. Technological innovation and competition: The constant innovation and competition in the field of DNA sequencing technologies have led to the development of new and improved genome sequencing equipment. Manufacturers are continually striving to improve sequencing speed, accuracy, and affordability, making the equipment more advanced and user-friendly. This has contributed to the increased adoption of genome sequencing equipment by researchers and laboratories worldwide. 7. Rising demand for genetic testing and personalized medicine: The demand for genetic testing and personalized medicine has been growing, driven by a greater understanding of the role of genetics in disease, increased consumer awareness, and a shift towards personalized healthcare. Genome sequencing equipment plays a vital role in enabling genetic testing services and providing the information needed for personalized medical treatments. In summary, the driving factors behind the development and importance of genome sequencing equipment include advancements in sequencing technologies, research and medical applications, the completion of the Human Genome Project, the growing genomics market, cost reduction, technological innovation and competition, and the rising demand for genetic testing and personalized medicine. These factors collectively contribute to the increasing adoption and significance of genome sequencing equipment in various industries and fields.

The Global Info Research report includes an overview of the development of the Genome Sequencing Equipment industry chain, the market status of Medicine (Pacific Bio, Ion Torrent sequencing), Biology (Pacific Bio, Ion Torrent sequencing), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Genome Sequencing Equipment.

Regionally, the report analyzes the Genome Sequencing Equipment markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Genome Sequencing Equipment market, with robust domestic demand, supportive policies, and a strong manufacturing base.

## Key Features:

The report presents comprehensive understanding of the Genome Sequencing Equipment market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Genome Sequencing Equipment industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Pacific Bio, Ion Torrent sequencing).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Genome Sequencing Equipment market.

**Regional Analysis:** The report involves examining the Genome Sequencing Equipment market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Genome Sequencing Equipment market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Genome Sequencing Equipment:

**Company Analysis:** Report covers individual Genome Sequencing Equipment manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Genome Sequencing Equipment This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application

(Medicine, Biology).

**Technology Analysis:** Report covers specific technologies relevant to Genome Sequencing Equipment. It assesses the current state, advancements, and potential future developments in Genome Sequencing Equipment areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Genome Sequencing Equipment market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

### Market Segmentation

Genome Sequencing Equipment market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Pacific Bio

Ion Torrent sequencing

Illumina

SOLiD sequencing

### Market segment by Application

Medicine

Biology

Geology

Agriculture

Others

#### Major players covered

BGI

Roche

Qiagen

Pacific Biosciences

Sequenom

DAAN Gene

Agilent Technologies

Berry Genomics

Hunan China Sun Pharmaceutical Machinery

Jilin Zixin Pharmaceutical Industrial

Illumina

Thermo Fisher Scientific

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Genome Sequencing Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Genome Sequencing Equipment, with price, sales, revenue and global market share of Genome Sequencing Equipment from 2019 to 2024.

Chapter 3, the Genome Sequencing Equipment competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Genome Sequencing Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Genome Sequencing Equipment market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Genome Sequencing Equipment.

Chapter 14 and 15, to describe Genome Sequencing Equipment sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope of Genome Sequencing Equipment

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Genome Sequencing Equipment Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Pacific Bio

1.3.3 Ion Torrent sequencing

1.3.4 Illumina

1.3.5 SOLiD sequencing

1.4 Market Analysis by Application

1.4.1 Overview: Global Genome Sequencing Equipment Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Medicine

1.4.3 Biology

1.4.4 Geology

1.4.5 Agriculture

1.4.6 Others

1.5 Global Genome Sequencing Equipment Market Size & Forecast

1.5.1 Global Genome Sequencing Equipment Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Genome Sequencing Equipment Sales Quantity (2019-2030)

1.5.3 Global Genome Sequencing Equipment Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

2.1 BGI

2.1.1 BGI Details

2.1.2 BGI Major Business

2.1.3 BGI Genome Sequencing Equipment Product and Services

2.1.4 BGI Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 BGI Recent Developments/Updates

2.2 Roche

2.2.1 Roche Details

2.2.2 Roche Major Business



- 2.2.3 Roche Genome Sequencing Equipment Product and Services
- 2.2.4 Roche Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.2.5 Roche Recent Developments/Updates
- 2.3 Qiagen
  - 2.3.1 Qiagen Details
  - 2.3.2 Qiagen Major Business
  - 2.3.3 Qiagen Genome Sequencing Equipment Product and Services
  - 2.3.4 Qiagen Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.3.5 Qiagen Recent Developments/Updates
- 2.4 Pacific Biosciences
  - 2.4.1 Pacific Biosciences Details
  - 2.4.2 Pacific Biosciences Major Business
  - 2.4.3 Pacific Biosciences Genome Sequencing Equipment Product and Services
  - 2.4.4 Pacific Biosciences Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 Pacific Biosciences Recent Developments/Updates
- 2.5 Sequenom
  - 2.5.1 Sequenom Details
  - 2.5.2 Sequenom Major Business
  - 2.5.3 Sequenom Genome Sequencing Equipment Product and Services
  - 2.5.4 Sequenom Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 Sequenom Recent Developments/Updates
- 2.6 DAAN Gene
  - 2.6.1 DAAN Gene Details
  - 2.6.2 DAAN Gene Major Business
  - 2.6.3 DAAN Gene Genome Sequencing Equipment Product and Services
  - 2.6.4 DAAN Gene Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.6.5 DAAN Gene Recent Developments/Updates
- 2.7 Agilent Technologies
  - 2.7.1 Agilent Technologies Details
  - 2.7.2 Agilent Technologies Major Business
  - 2.7.3 Agilent Technologies Genome Sequencing Equipment Product and Services
  - 2.7.4 Agilent Technologies Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.7.5 Agilent Technologies Recent Developments/Updates

## 2.8 Berry Genomics

### 2.8.1 Berry Genomics Details

### 2.8.2 Berry Genomics Major Business

### 2.8.3 Berry Genomics Genome Sequencing Equipment Product and Services

### 2.8.4 Berry Genomics Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.8.5 Berry Genomics Recent Developments/Updates

## 2.9 Hunan China Sun Pharmaceutical Machinery

### 2.9.1 Hunan China Sun Pharmaceutical Machinery Details

### 2.9.2 Hunan China Sun Pharmaceutical Machinery Major Business

### 2.9.3 Hunan China Sun Pharmaceutical Machinery Genome Sequencing Equipment Product and Services

### 2.9.4 Hunan China Sun Pharmaceutical Machinery Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.9.5 Hunan China Sun Pharmaceutical Machinery Recent Developments/Updates

## 2.10 Jilin Zixin Pharmaceutical Industrial

### 2.10.1 Jilin Zixin Pharmaceutical Industrial Details

### 2.10.2 Jilin Zixin Pharmaceutical Industrial Major Business

### 2.10.3 Jilin Zixin Pharmaceutical Industrial Genome Sequencing Equipment Product and Services

### 2.10.4 Jilin Zixin Pharmaceutical Industrial Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.10.5 Jilin Zixin Pharmaceutical Industrial Recent Developments/Updates

## 2.11 Illumina

### 2.11.1 Illumina Details

### 2.11.2 Illumina Major Business

### 2.11.3 Illumina Genome Sequencing Equipment Product and Services

### 2.11.4 Illumina Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.11.5 Illumina Recent Developments/Updates

## 2.12 Thermo Fisher Scientific

### 2.12.1 Thermo Fisher Scientific Details

### 2.12.2 Thermo Fisher Scientific Major Business

### 2.12.3 Thermo Fisher Scientific Genome Sequencing Equipment Product and Services

### 2.12.4 Thermo Fisher Scientific Genome Sequencing Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.12.5 Thermo Fisher Scientific Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: GENOME SEQUENCING EQUIPMENT BY**

## **MANUFACTURER**

- 3.1 Global Genome Sequencing Equipment Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Genome Sequencing Equipment Revenue by Manufacturer (2019-2024)
- 3.3 Global Genome Sequencing Equipment Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
  - 3.4.1 Producer Shipments of Genome Sequencing Equipment by Manufacturer Revenue (\$MM) and Market Share (%): 2023
  - 3.4.2 Top 3 Genome Sequencing Equipment Manufacturer Market Share in 2023
  - 3.4.2 Top 6 Genome Sequencing Equipment Manufacturer Market Share in 2023
- 3.5 Genome Sequencing Equipment Market: Overall Company Footprint Analysis
  - 3.5.1 Genome Sequencing Equipment Market: Region Footprint
  - 3.5.2 Genome Sequencing Equipment Market: Company Product Type Footprint
  - 3.5.3 Genome Sequencing Equipment Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Genome Sequencing Equipment Market Size by Region
  - 4.1.1 Global Genome Sequencing Equipment Sales Quantity by Region (2019-2030)
  - 4.1.2 Global Genome Sequencing Equipment Consumption Value by Region (2019-2030)
  - 4.1.3 Global Genome Sequencing Equipment Average Price by Region (2019-2030)
- 4.2 North America Genome Sequencing Equipment Consumption Value (2019-2030)
- 4.3 Europe Genome Sequencing Equipment Consumption Value (2019-2030)
- 4.4 Asia-Pacific Genome Sequencing Equipment Consumption Value (2019-2030)
- 4.5 South America Genome Sequencing Equipment Consumption Value (2019-2030)
- 4.6 Middle East and Africa Genome Sequencing Equipment Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Genome Sequencing Equipment Sales Quantity by Type (2019-2030)
- 5.2 Global Genome Sequencing Equipment Consumption Value by Type (2019-2030)
- 5.3 Global Genome Sequencing Equipment Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Genome Sequencing Equipment Sales Quantity by Application (2019-2030)

6.2 Global Genome Sequencing Equipment Consumption Value by Application (2019-2030)

6.3 Global Genome Sequencing Equipment Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

7.1 North America Genome Sequencing Equipment Sales Quantity by Type (2019-2030)

7.2 North America Genome Sequencing Equipment Sales Quantity by Application (2019-2030)

7.3 North America Genome Sequencing Equipment Market Size by Country

7.3.1 North America Genome Sequencing Equipment Sales Quantity by Country (2019-2030)

7.3.2 North America Genome Sequencing Equipment Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

8.1 Europe Genome Sequencing Equipment Sales Quantity by Type (2019-2030)

8.2 Europe Genome Sequencing Equipment Sales Quantity by Application (2019-2030)

8.3 Europe Genome Sequencing Equipment Market Size by Country

8.3.1 Europe Genome Sequencing Equipment Sales Quantity by Country (2019-2030)

8.3.2 Europe Genome Sequencing Equipment Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Genome Sequencing Equipment Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Genome Sequencing Equipment Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Genome Sequencing Equipment Market Size by Region

9.3.1 Asia-Pacific Genome Sequencing Equipment Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Genome Sequencing Equipment Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

10.1 South America Genome Sequencing Equipment Sales Quantity by Type (2019-2030)

10.2 South America Genome Sequencing Equipment Sales Quantity by Application (2019-2030)

10.3 South America Genome Sequencing Equipment Market Size by Country

10.3.1 South America Genome Sequencing Equipment Sales Quantity by Country (2019-2030)

10.3.2 South America Genome Sequencing Equipment Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Genome Sequencing Equipment Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Genome Sequencing Equipment Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Genome Sequencing Equipment Market Size by Country

11.3.1 Middle East & Africa Genome Sequencing Equipment Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Genome Sequencing Equipment Consumption Value by Country (2019-2030)

- 11.3.3 Turkey Market Size and Forecast (2019-2030)
- 11.3.4 Egypt Market Size and Forecast (2019-2030)
- 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
- 11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

- 12.1 Genome Sequencing Equipment Market Drivers
- 12.2 Genome Sequencing Equipment Market Restraints
- 12.3 Genome Sequencing Equipment Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Genome Sequencing Equipment and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Genome Sequencing Equipment
- 13.3 Genome Sequencing Equipment Production Process
- 13.4 Genome Sequencing Equipment Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Genome Sequencing Equipment Typical Distributors
- 14.3 Genome Sequencing Equipment Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer





## List Of Tables

### LIST OF TABLES

Table 1. Global Genome Sequencing Equipment Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Genome Sequencing Equipment Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. BGI Basic Information, Manufacturing Base and Competitors

Table 4. BGI Major Business

Table 5. BGI Genome Sequencing Equipment Product and Services

Table 6. BGI Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. BGI Recent Developments/Updates

Table 8. Roche Basic Information, Manufacturing Base and Competitors

Table 9. Roche Major Business

Table 10. Roche Genome Sequencing Equipment Product and Services

Table 11. Roche Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Roche Recent Developments/Updates

Table 13. Qiagen Basic Information, Manufacturing Base and Competitors

Table 14. Qiagen Major Business

Table 15. Qiagen Genome Sequencing Equipment Product and Services

Table 16. Qiagen Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Qiagen Recent Developments/Updates

Table 18. Pacific Biosciences Basic Information, Manufacturing Base and Competitors

Table 19. Pacific Biosciences Major Business

Table 20. Pacific Biosciences Genome Sequencing Equipment Product and Services

Table 21. Pacific Biosciences Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Pacific Biosciences Recent Developments/Updates

Table 23. Sequenom Basic Information, Manufacturing Base and Competitors

Table 24. Sequenom Major Business

Table 25. Sequenom Genome Sequencing Equipment Product and Services

Table 26. Sequenom Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)



- Table 27. Sequenom Recent Developments/Updates
- Table 28. DAAN Gene Basic Information, Manufacturing Base and Competitors
- Table 29. DAAN Gene Major Business
- Table 30. DAAN Gene Genome Sequencing Equipment Product and Services
- Table 31. DAAN Gene Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. DAAN Gene Recent Developments/Updates
- Table 33. Agilent Technologies Basic Information, Manufacturing Base and Competitors
- Table 34. Agilent Technologies Major Business
- Table 35. Agilent Technologies Genome Sequencing Equipment Product and Services
- Table 36. Agilent Technologies Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Agilent Technologies Recent Developments/Updates
- Table 38. Berry Genomics Basic Information, Manufacturing Base and Competitors
- Table 39. Berry Genomics Major Business
- Table 40. Berry Genomics Genome Sequencing Equipment Product and Services
- Table 41. Berry Genomics Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Berry Genomics Recent Developments/Updates
- Table 43. Hunan China Sun Pharmaceutical Machinery Basic Information, Manufacturing Base and Competitors
- Table 44. Hunan China Sun Pharmaceutical Machinery Major Business
- Table 45. Hunan China Sun Pharmaceutical Machinery Genome Sequencing Equipment Product and Services
- Table 46. Hunan China Sun Pharmaceutical Machinery Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. Hunan China Sun Pharmaceutical Machinery Recent Developments/Updates
- Table 48. Jilin Zixin Pharmaceutical Industrial Basic Information, Manufacturing Base and Competitors
- Table 49. Jilin Zixin Pharmaceutical Industrial Major Business
- Table 50. Jilin Zixin Pharmaceutical Industrial Genome Sequencing Equipment Product and Services
- Table 51. Jilin Zixin Pharmaceutical Industrial Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

- Table 52. Jilin Zixin Pharmaceutical Industrial Recent Developments/Updates
- Table 53. Illumina Basic Information, Manufacturing Base and Competitors
- Table 54. Illumina Major Business
- Table 55. Illumina Genome Sequencing Equipment Product and Services
- Table 56. Illumina Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 57. Illumina Recent Developments/Updates
- Table 58. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors
- Table 59. Thermo Fisher Scientific Major Business
- Table 60. Thermo Fisher Scientific Genome Sequencing Equipment Product and Services
- Table 61. Thermo Fisher Scientific Genome Sequencing Equipment Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 62. Thermo Fisher Scientific Recent Developments/Updates
- Table 63. Global Genome Sequencing Equipment Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 64. Global Genome Sequencing Equipment Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 65. Global Genome Sequencing Equipment Average Price by Manufacturer (2019-2024) & (USD/Unit)
- Table 66. Market Position of Manufacturers in Genome Sequencing Equipment, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
- Table 67. Head Office and Genome Sequencing Equipment Production Site of Key Manufacturer
- Table 68. Genome Sequencing Equipment Market: Company Product Type Footprint
- Table 69. Genome Sequencing Equipment Market: Company Product Application Footprint
- Table 70. Genome Sequencing Equipment New Market Entrants and Barriers to Market Entry
- Table 71. Genome Sequencing Equipment Mergers, Acquisition, Agreements, and Collaborations
- Table 72. Global Genome Sequencing Equipment Sales Quantity by Region (2019-2024) & (K Units)
- Table 73. Global Genome Sequencing Equipment Sales Quantity by Region (2025-2030) & (K Units)
- Table 74. Global Genome Sequencing Equipment Consumption Value by Region (2019-2024) & (USD Million)

Table 75. Global Genome Sequencing Equipment Consumption Value by Region (2025-2030) & (USD Million)

Table 76. Global Genome Sequencing Equipment Average Price by Region (2019-2024) & (USD/Unit)

Table 77. Global Genome Sequencing Equipment Average Price by Region (2025-2030) & (USD/Unit)

Table 78. Global Genome Sequencing Equipment Sales Quantity by Type (2019-2024) & (K Units)

Table 79. Global Genome Sequencing Equipment Sales Quantity by Type (2025-2030) & (K Units)

Table 80. Global Genome Sequencing Equipment Consumption Value by Type (2019-2024) & (USD Million)

Table 81. Global Genome Sequencing Equipment Consumption Value by Type (2025-2030) & (USD Million)

Table 82. Global Genome Sequencing Equipment Average Price by Type (2019-2024) & (USD/Unit)

Table 83. Global Genome Sequencing Equipment Average Price by Type (2025-2030) & (USD/Unit)

Table 84. Global Genome Sequencing Equipment Sales Quantity by Application (2019-2024) & (K Units)

Table 85. Global Genome Sequencing Equipment Sales Quantity by Application (2025-2030) & (K Units)

Table 86. Global Genome Sequencing Equipment Consumption Value by Application (2019-2024) & (USD Million)

Table 87. Global Genome Sequencing Equipment Consumption Value by Application (2025-2030) & (USD Million)

Table 88. Global Genome Sequencing Equipment Average Price by Application (2019-2024) & (USD/Unit)

Table 89. Global Genome Sequencing Equipment Average Price by Application (2025-2030) & (USD/Unit)

Table 90. North America Genome Sequencing Equipment Sales Quantity by Type (2019-2024) & (K Units)

Table 91. North America Genome Sequencing Equipment Sales Quantity by Type (2025-2030) & (K Units)

Table 92. North America Genome Sequencing Equipment Sales Quantity by Application (2019-2024) & (K Units)

Table 93. North America Genome Sequencing Equipment Sales Quantity by Application (2025-2030) & (K Units)

Table 94. North America Genome Sequencing Equipment Sales Quantity by Country

(2019-2024) & (K Units)

Table 95. North America Genome Sequencing Equipment Sales Quantity by Country (2025-2030) & (K Units)

Table 96. North America Genome Sequencing Equipment Consumption Value by Country (2019-2024) & (USD Million)

Table 97. North America Genome Sequencing Equipment Consumption Value by Country (2025-2030) & (USD Million)

Table 98. Europe Genome Sequencing Equipment Sales Quantity by Type (2019-2024) & (K Units)

Table 99. Europe Genome Sequencing Equipment Sales Quantity by Type (2025-2030) & (K Units)

Table 100. Europe Genome Sequencing Equipment Sales Quantity by Application (2019-2024) & (K Units)

Table 101. Europe Genome Sequencing Equipment Sales Quantity by Application (2025-2030) & (K Units)

Table 102. Europe Genome Sequencing Equipment Sales Quantity by Country (2019-2024) & (K Units)

Table 103. Europe Genome Sequencing Equipment Sales Quantity by Country (2025-2030) & (K Units)

Table 104. Europe Genome Sequencing Equipment Consumption Value by Country (2019-2024) & (USD Million)

Table 105. Europe Genome Sequencing Equipment Consumption Value by Country (2025-2030) & (USD Million)

Table 106. Asia-Pacific Genome Sequencing Equipment Sales Quantity by Type (2019-2024) & (K Units)

Table 107. Asia-Pacific Genome Sequencing Equipment Sales Quantity by Type (2025-2030) & (K Units)

Table 108. Asia-Pacific Genome Sequencing Equipment Sales Quantity by Application (2019-2024) & (K Units)

Table 109. Asia-Pacific Genome Sequencing Equipment Sales Quantity by Application (2025-2030) & (K Units)

Table 110. Asia-Pacific Genome Sequencing Equipment Sales Quantity by Region (2019-2024) & (K Units)

Table 111. Asia-Pacific Genome Sequencing Equipment Sales Quantity by Region (2025-2030) & (K Units)

Table 112. Asia-Pacific Genome Sequencing Equipment Consumption Value by Region (2019-2024) & (USD Million)

Table 113. Asia-Pacific Genome Sequencing Equipment Consumption Value by Region (2025-2030) & (USD Million)

Table 114. South America Genome Sequencing Equipment Sales Quantity by Type (2019-2024) & (K Units)

Table 115. South America Genome Sequencing Equipment Sales Quantity by Type (2025-2030) & (K Units)

Table 116. South America Genome Sequencing Equipment Sales Quantity by Application (2019-2024) & (K Units)

Table 117. South America Genome Sequencing Equipment Sales Quantity by Application (2025-2030) & (K Units)

Table 118. South America Genome Sequencing Equipment Sales Quantity by Country (2019-2024) & (K Units)

Table 119. South America Genome Sequencing Equipment Sales Quantity by Country (2025-2030) & (K Units)

Table 120. South America Genome Sequencing Equipment Consumption Value by Country (2019-2024) & (USD Million)

Table 121. South America Genome Sequencing Equipment Consumption Value by Country (2025-2030) & (USD Million)

Table 122. Middle East & Africa Genome Sequencing Equipment Sales Quantity by Type (2019-2024) & (K Units)

Table 123. Middle East & Africa Genome Sequencing Equipment Sales Quantity by Type (2025-2030) & (K Units)

Table 124. Middle East & Africa Genome Sequencing Equipment Sales Quantity by Application (2019-2024) & (K Units)

Table 125. Middle East & Africa Genome Sequencing Equipment Sales Quantity by Application (2025-2030) & (K Units)

Table 126. Middle East & Africa Genome Sequencing Equipment Sales Quantity by Region (2019-2024) & (K Units)

Table 127. Middle East & Africa Genome Sequencing Equipment Sales Quantity by Region (2025-2030) & (K Units)

Table 128. Middle East & Africa Genome Sequencing Equipment Consumption Value by Region (2019-2024) & (USD Million)

Table 129. Middle East & Africa Genome Sequencing Equipment Consumption Value by Region (2025-2030) & (USD Million)

Table 130. Genome Sequencing Equipment Raw Material

Table 131. Key Manufacturers of Genome Sequencing Equipment Raw Materials

Table 132. Genome Sequencing Equipment Typical Distributors

Table 133. Genome Sequencing Equipment Typical Customers



## List Of Figures

### LIST OF FIGURES

- Figure 1. Genome Sequencing Equipment Picture
- Figure 2. Global Genome Sequencing Equipment Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Genome Sequencing Equipment Consumption Value Market Share by Type in 2023
- Figure 4. Pacific Bio Examples
- Figure 5. Ion Torrent sequencing Examples
- Figure 6. Illumina Examples
- Figure 7. SOLiD sequencing Examples
- Figure 8. Global Genome Sequencing Equipment Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 9. Global Genome Sequencing Equipment Consumption Value Market Share by Application in 2023
- Figure 10. Medicine Examples
- Figure 11. Biology Examples
- Figure 12. Geology Examples
- Figure 13. Agriculture Examples
- Figure 14. Others Examples
- Figure 15. Global Genome Sequencing Equipment Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 16. Global Genome Sequencing Equipment Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 17. Global Genome Sequencing Equipment Sales Quantity (2019-2030) & (K Units)
- Figure 18. Global Genome Sequencing Equipment Average Price (2019-2030) & (USD/Unit)
- Figure 19. Global Genome Sequencing Equipment Sales Quantity Market Share by Manufacturer in 2023
- Figure 20. Global Genome Sequencing Equipment Consumption Value Market Share by Manufacturer in 2023
- Figure 21. Producer Shipments of Genome Sequencing Equipment by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 22. Top 3 Genome Sequencing Equipment Manufacturer (Consumption Value) Market Share in 2023
- Figure 23. Top 6 Genome Sequencing Equipment Manufacturer (Consumption Value)

## Market Share in 2023

Figure 24. Global Genome Sequencing Equipment Sales Quantity Market Share by Region (2019-2030)

Figure 25. Global Genome Sequencing Equipment Consumption Value Market Share by Region (2019-2030)

Figure 26. North America Genome Sequencing Equipment Consumption Value (2019-2030) & (USD Million)

Figure 27. Europe Genome Sequencing Equipment Consumption Value (2019-2030) & (USD Million)

Figure 28. Asia-Pacific Genome Sequencing Equipment Consumption Value (2019-2030) & (USD Million)

Figure 29. South America Genome Sequencing Equipment Consumption Value (2019-2030) & (USD Million)

Figure 30. Middle East & Africa Genome Sequencing Equipment Consumption Value (2019-2030) & (USD Million)

Figure 31. Global Genome Sequencing Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 32. Global Genome Sequencing Equipment Consumption Value Market Share by Type (2019-2030)

Figure 33. Global Genome Sequencing Equipment Average Price by Type (2019-2030) & (USD/Unit)

Figure 34. Global Genome Sequencing Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 35. Global Genome Sequencing Equipment Consumption Value Market Share by Application (2019-2030)

Figure 36. Global Genome Sequencing Equipment Average Price by Application (2019-2030) & (USD/Unit)

Figure 37. North America Genome Sequencing Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 38. North America Genome Sequencing Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 39. North America Genome Sequencing Equipment Sales Quantity Market Share by Country (2019-2030)

Figure 40. North America Genome Sequencing Equipment Consumption Value Market Share by Country (2019-2030)

Figure 41. United States Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Canada Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Mexico Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 44. Europe Genome Sequencing Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 45. Europe Genome Sequencing Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 46. Europe Genome Sequencing Equipment Sales Quantity Market Share by Country (2019-2030)

Figure 47. Europe Genome Sequencing Equipment Consumption Value Market Share by Country (2019-2030)

Figure 48. Germany Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. France Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. United Kingdom Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Russia Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Italy Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Asia-Pacific Genome Sequencing Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 54. Asia-Pacific Genome Sequencing Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 55. Asia-Pacific Genome Sequencing Equipment Sales Quantity Market Share by Region (2019-2030)

Figure 56. Asia-Pacific Genome Sequencing Equipment Consumption Value Market Share by Region (2019-2030)

Figure 57. China Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Japan Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Korea Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. India Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. Southeast Asia Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Australia Genome Sequencing Equipment Consumption Value and Growth



Rate (2019-2030) & (USD Million)

Figure 63. South America Genome Sequencing Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 64. South America Genome Sequencing Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 65. South America Genome Sequencing Equipment Sales Quantity Market Share by Country (2019-2030)

Figure 66. South America Genome Sequencing Equipment Consumption Value Market Share by Country (2019-2030)

Figure 67. Brazil Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 68. Argentina Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Middle East & Africa Genome Sequencing Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 70. Middle East & Africa Genome Sequencing Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 71. Middle East & Africa Genome Sequencing Equipment Sales Quantity Market Share by Region (2019-2030)

Figure 72. Middle East & Africa Genome Sequencing Equipment Consumption Value Market Share by Region (2019-2030)

Figure 73. Turkey Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Egypt Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Saudi Arabia Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. South Africa Genome Sequencing Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 77. Genome Sequencing Equipment Market Drivers

Figure 78. Genome Sequencing Equipment Market Restraints

Figure 79. Genome Sequencing Equipment Market Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of Genome Sequencing Equipment in 2023

Figure 82. Manufacturing Process Analysis of Genome Sequencing Equipment

Figure 83. Genome Sequencing Equipment Industrial Chain

Figure 84. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

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