

# Global qPCR and dPCR Instrumentation Market Growth 2024-2030

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## Abstracts

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According to our LPI (LP Information) latest study, the global qPCR and dPCR Instrumentation market size was valued at US\$ 1215 million in 2023. With growing demand in downstream market, the qPCR and dPCR Instrumentation is forecast to a readjusted size of US\$ 2025.3 million by 2030 with a CAGR of 7.6% during review period.

The research report highlights the growth potential of the global qPCR and dPCR Instrumentation market. qPCR and dPCR Instrumentation are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of qPCR and dPCR Instrumentation. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the qPCR and dPCR Instrumentation market.

Real-time PCR or quantitative PCR is a well-established technology that has become the tool of choice for the rapid, sensitive quantification of nucleic acid in various biological samples. qPCR measures the accumulation of DNA during a PCR reaction. The increase in quantity of DNA at each cycle is measured by the change in intensity of a fluorescent signal. Comparison to a reference sample determines the number of original copies of template DNA in the reaction.

Digital PCR is a highly precise approach to sensitive nucleic acid detection and quantification. Each sample is partitioned into thousands of individual reactions

(droplets for Droplet Digital™ PCR technology). Each partition is analyzed after end-point PCR cycling for the presence or absence of a fluorescent signal, and the absolute number of molecules present in the sample is calculated. dPCR does not require a standard curve for quantification.

Both quantitative PCR (qPCR) and digital PCR (dPCR) provide sensitive and specific detection, and precise quantification of nucleic acids. Both technologies have similarities, but they have differences that make one or the other the more adapted choice for specific applications.

Global qPCR and dPCR Instrumentation key players include Thermo Fisher, Roche, QIAGEN, Bio-rad, etc. Global top four manufacturers hold a share over 70%.

North America is the largest market, with a share over 50%, followed by China and Europe, both have a share about 40 percent.

In terms of product, qPCR is the largest segment, with a share over 70%. And in terms of application, the largest application is Research Use, followed by Clinical Use, etc.

Key Features:

The report on qPCR and dPCR Instrumentation market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the qPCR and dPCR Instrumentation market. It may include historical data, market segmentation by Type (e.g., dPCR, qPCR), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the qPCR and dPCR Instrumentation market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the qPCR and dPCR Instrumentation market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the qPCR and dPCR Instrumentation industry. This include advancements in qPCR and dPCR Instrumentation technology, qPCR and dPCR Instrumentation new entrants, qPCR and dPCR Instrumentation new investment, and other innovations that are shaping the future of qPCR and dPCR Instrumentation.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the qPCR and dPCR Instrumentation market. It includes factors influencing customer ' purchasing decisions, preferences for qPCR and dPCR Instrumentation product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the qPCR and dPCR Instrumentation market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting qPCR and dPCR Instrumentation market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the qPCR and dPCR Instrumentation market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the qPCR and dPCR Instrumentation industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the qPCR and dPCR Instrumentation market.

**Market Segmentation:**

qPCR and dPCR Instrumentation 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.

**Segmentation by type**

dPCR

qPCR

### Segmentation by application

Clinical Use

Research Use

Other

This report also splits the market by region:

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Thermo Fisher

Roche

QIAGEN

Bio-rad

Agilent

Bioer

Biosynex

Esco

Analytik Jena

Techne

Fluidigm

RainDance Technologies

### Key Questions Addressed in this Report

What is the 10-year outlook for the global qPCR and dPCR Instrumentation market?

What factors are driving qPCR and dPCR Instrumentation market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do qPCR and dPCR Instrumentation market opportunities vary by end market size?

How does qPCR and dPCR Instrumentation break out type, application?

## Contents

### **1 SCOPE OF THE REPORT**

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global qPCR and dPCR Instrumentation Annual Sales 2019-2030
  - 2.1.2 World Current & Future Analysis for qPCR and dPCR Instrumentation by Geographic Region, 2019, 2023 & 2030
  - 2.1.3 World Current & Future Analysis for qPCR and dPCR Instrumentation by Country/Region, 2019, 2023 & 2030
- 2.2 qPCR and dPCR Instrumentation Segment by Type
  - 2.2.1 dPCR
  - 2.2.2 qPCR
- 2.3 qPCR and dPCR Instrumentation Sales by Type
  - 2.3.1 Global qPCR and dPCR Instrumentation Sales Market Share by Type (2019-2024)
  - 2.3.2 Global qPCR and dPCR Instrumentation Revenue and Market Share by Type (2019-2024)
  - 2.3.3 Global qPCR and dPCR Instrumentation Sale Price by Type (2019-2024)
- 2.4 qPCR and dPCR Instrumentation Segment by Application
  - 2.4.1 Clinical Use
  - 2.4.2 Research Use
  - 2.4.3 Other
- 2.5 qPCR and dPCR Instrumentation Sales by Application
  - 2.5.1 Global qPCR and dPCR Instrumentation Sale Market Share by Application (2019-2024)
  - 2.5.2 Global qPCR and dPCR Instrumentation Revenue and Market Share by Application (2019-2024)

2.5.3 Global qPCR and dPCR Instrumentation Sale Price by Application (2019-2024)

### **3 GLOBAL QPCR AND DPCR INSTRUMENTATION BY COMPANY**

3.1 Global qPCR and dPCR Instrumentation Breakdown Data by Company

3.1.1 Global qPCR and dPCR Instrumentation Annual Sales by Company (2019-2024)

3.1.2 Global qPCR and dPCR Instrumentation Sales Market Share by Company (2019-2024)

3.2 Global qPCR and dPCR Instrumentation Annual Revenue by Company (2019-2024)

3.2.1 Global qPCR and dPCR Instrumentation Revenue by Company (2019-2024)

3.2.2 Global qPCR and dPCR Instrumentation Revenue Market Share by Company (2019-2024)

3.3 Global qPCR and dPCR Instrumentation Sale Price by Company

3.4 Key Manufacturers qPCR and dPCR Instrumentation Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers qPCR and dPCR Instrumentation Product Location Distribution

3.4.2 Players qPCR and dPCR Instrumentation Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR QPCR AND DPCR INSTRUMENTATION BY GEOGRAPHIC REGION**

4.1 World Historic qPCR and dPCR Instrumentation Market Size by Geographic Region (2019-2024)

4.1.1 Global qPCR and dPCR Instrumentation Annual Sales by Geographic Region (2019-2024)

4.1.2 Global qPCR and dPCR Instrumentation Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic qPCR and dPCR Instrumentation Market Size by Country/Region (2019-2024)

4.2.1 Global qPCR and dPCR Instrumentation Annual Sales by Country/Region (2019-2024)

4.2.2 Global qPCR and dPCR Instrumentation Annual Revenue by Country/Region (2019-2024)



- 4.3 Americas qPCR and dPCR Instrumentation Sales Growth
- 4.4 APAC qPCR and dPCR Instrumentation Sales Growth
- 4.5 Europe qPCR and dPCR Instrumentation Sales Growth
- 4.6 Middle East & Africa qPCR and dPCR Instrumentation Sales Growth

## **5 AMERICAS**

- 5.1 Americas qPCR and dPCR Instrumentation Sales by Country
  - 5.1.1 Americas qPCR and dPCR Instrumentation Sales by Country (2019-2024)
  - 5.1.2 Americas qPCR and dPCR Instrumentation Revenue by Country (2019-2024)
- 5.2 Americas qPCR and dPCR Instrumentation Sales by Type
- 5.3 Americas qPCR and dPCR Instrumentation Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC qPCR and dPCR Instrumentation Sales by Region
  - 6.1.1 APAC qPCR and dPCR Instrumentation Sales by Region (2019-2024)
  - 6.1.2 APAC qPCR and dPCR Instrumentation Revenue by Region (2019-2024)
- 6.2 APAC qPCR and dPCR Instrumentation Sales by Type
- 6.3 APAC qPCR and dPCR Instrumentation Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe qPCR and dPCR Instrumentation by Country
  - 7.1.1 Europe qPCR and dPCR Instrumentation Sales by Country (2019-2024)
  - 7.1.2 Europe qPCR and dPCR Instrumentation Revenue by Country (2019-2024)
- 7.2 Europe qPCR and dPCR Instrumentation Sales by Type
- 7.3 Europe qPCR and dPCR Instrumentation Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa qPCR and dPCR Instrumentation by Country

8.1.1 Middle East & Africa qPCR and dPCR Instrumentation Sales by Country  
(2019-2024)

8.1.2 Middle East & Africa qPCR and dPCR Instrumentation Revenue by Country  
(2019-2024)

8.2 Middle East & Africa qPCR and dPCR Instrumentation Sales by Type

8.3 Middle East & Africa qPCR and dPCR Instrumentation Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of qPCR and dPCR Instrumentation

10.3 Manufacturing Process Analysis of qPCR and dPCR Instrumentation

10.4 Industry Chain Structure of qPCR and dPCR Instrumentation

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 qPCR and dPCR Instrumentation Distributors

11.3 qPCR and dPCR Instrumentation Customer

## **12 WORLD FORECAST REVIEW FOR QPCR AND DPCR INSTRUMENTATION BY GEOGRAPHIC REGION**

12.1 Global qPCR and dPCR Instrumentation Market Size Forecast by Region

12.1.1 Global qPCR and dPCR Instrumentation Forecast by Region (2025-2030)

12.1.2 Global qPCR and dPCR Instrumentation Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global qPCR and dPCR Instrumentation Forecast by Type

12.7 Global qPCR and dPCR Instrumentation Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

13.1 Thermo Fisher

13.1.1 Thermo Fisher Company Information

13.1.2 Thermo Fisher qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.1.3 Thermo Fisher qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 Thermo Fisher Main Business Overview

13.1.5 Thermo Fisher Latest Developments

13.2 Roche

13.2.1 Roche Company Information

13.2.2 Roche qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.2.3 Roche qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Roche Main Business Overview

13.2.5 Roche Latest Developments

13.3 QIAGEN

13.3.1 QIAGEN Company Information

13.3.2 QIAGEN qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.3.3 QIAGEN qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross

## Margin (2019-2024)

13.3.4 QIAGEN Main Business Overview

13.3.5 QIAGEN Latest Developments

## 13.4 Bio-rad

13.4.1 Bio-rad Company Information

13.4.2 Bio-rad qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.4.3 Bio-rad qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross

## Margin (2019-2024)

13.4.4 Bio-rad Main Business Overview

13.4.5 Bio-rad Latest Developments

## 13.5 Agilent

13.5.1 Agilent Company Information

13.5.2 Agilent qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.5.3 Agilent qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross

## Margin (2019-2024)

13.5.4 Agilent Main Business Overview

13.5.5 Agilent Latest Developments

## 13.6 Bioer

13.6.1 Bioer Company Information

13.6.2 Bioer qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.6.3 Bioer qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross

## Margin (2019-2024)

13.6.4 Bioer Main Business Overview

13.6.5 Bioer Latest Developments

## 13.7 Biosynex

13.7.1 Biosynex Company Information

13.7.2 Biosynex qPCR and dPCR Instrumentation Product Portfolios and

## Specifications

13.7.3 Biosynex qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross

## Margin (2019-2024)

13.7.4 Biosynex Main Business Overview

13.7.5 Biosynex Latest Developments

## 13.8 Esco

13.8.1 Esco Company Information

13.8.2 Esco qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.8.3 Esco qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross

## Margin (2019-2024)

13.8.4 Esco Main Business Overview

13.8.5 Esco Latest Developments

### 13.9 Analytik Jena

13.9.1 Analytik Jena Company Information

13.9.2 Analytik Jena qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.9.3 Analytik Jena qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Analytik Jena Main Business Overview

13.9.5 Analytik Jena Latest Developments

### 13.10 Techne

13.10.1 Techne Company Information

13.10.2 Techne qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.10.3 Techne qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Techne Main Business Overview

13.10.5 Techne Latest Developments

### 13.11 Fluidigm

13.11.1 Fluidigm Company Information

13.11.2 Fluidigm qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.11.3 Fluidigm qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Fluidigm Main Business Overview

13.11.5 Fluidigm Latest Developments

### 13.12 RainDance Technologies

13.12.1 RainDance Technologies Company Information

13.12.2 RainDance Technologies qPCR and dPCR Instrumentation Product Portfolios and Specifications

13.12.3 RainDance Technologies qPCR and dPCR Instrumentation Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 RainDance Technologies Main Business Overview

13.12.5 RainDance Technologies Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. qPCR and dPCR Instrumentation Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Table 2. qPCR and dPCR Instrumentation Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)
- Table 3. Major Players of dPCR
- Table 4. Major Players of qPCR
- Table 5. Global qPCR and dPCR Instrumentation Sales by Type (2019-2024) & (Units)
- Table 6. Global qPCR and dPCR Instrumentation Sales Market Share by Type (2019-2024)
- Table 7. Global qPCR and dPCR Instrumentation Revenue by Type (2019-2024) & (\$ million)
- Table 8. Global qPCR and dPCR Instrumentation Revenue Market Share by Type (2019-2024)
- Table 9. Global qPCR and dPCR Instrumentation Sale Price by Type (2019-2024) & (K USD/Unit)
- Table 10. Global qPCR and dPCR Instrumentation Sales by Application (2019-2024) & (Units)
- Table 11. Global qPCR and dPCR Instrumentation Sales Market Share by Application (2019-2024)
- Table 12. Global qPCR and dPCR Instrumentation Revenue by Application (2019-2024)
- Table 13. Global qPCR and dPCR Instrumentation Revenue Market Share by Application (2019-2024)
- Table 14. Global qPCR and dPCR Instrumentation Sale Price by Application (2019-2024) & (K USD/Unit)
- Table 15. Global qPCR and dPCR Instrumentation Sales by Company (2019-2024) & (Units)
- Table 16. Global qPCR and dPCR Instrumentation Sales Market Share by Company (2019-2024)
- Table 17. Global qPCR and dPCR Instrumentation Revenue by Company (2019-2024) (\$ Millions)
- Table 18. Global qPCR and dPCR Instrumentation Revenue Market Share by Company (2019-2024)
- Table 19. Global qPCR and dPCR Instrumentation Sale Price by Company (2019-2024) & (K USD/Unit)
- Table 20. Key Manufacturers qPCR and dPCR Instrumentation Producing Area

## Distribution and Sales Area

Table 21. Players qPCR and dPCR Instrumentation Products Offered

Table 22. qPCR and dPCR Instrumentation Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global qPCR and dPCR Instrumentation Sales by Geographic Region (2019-2024) & (Units)

Table 26. Global qPCR and dPCR Instrumentation Sales Market Share Geographic Region (2019-2024)

Table 27. Global qPCR and dPCR Instrumentation Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global qPCR and dPCR Instrumentation Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global qPCR and dPCR Instrumentation Sales by Country/Region (2019-2024) & (Units)

Table 30. Global qPCR and dPCR Instrumentation Sales Market Share by Country/Region (2019-2024)

Table 31. Global qPCR and dPCR Instrumentation Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global qPCR and dPCR Instrumentation Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas qPCR and dPCR Instrumentation Sales by Country (2019-2024) & (Units)

Table 34. Americas qPCR and dPCR Instrumentation Sales Market Share by Country (2019-2024)

Table 35. Americas qPCR and dPCR Instrumentation Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas qPCR and dPCR Instrumentation Revenue Market Share by Country (2019-2024)

Table 37. Americas qPCR and dPCR Instrumentation Sales by Type (2019-2024) & (Units)

Table 38. Americas qPCR and dPCR Instrumentation Sales by Application (2019-2024) & (Units)

Table 39. APAC qPCR and dPCR Instrumentation Sales by Region (2019-2024) & (Units)

Table 40. APAC qPCR and dPCR Instrumentation Sales Market Share by Region (2019-2024)

Table 41. APAC qPCR and dPCR Instrumentation Revenue by Region (2019-2024) &

(\$ Millions)

Table 42. APAC qPCR and dPCR Instrumentation Revenue Market Share by Region (2019-2024)

Table 43. APAC qPCR and dPCR Instrumentation Sales by Type (2019-2024) & (Units)

Table 44. APAC qPCR and dPCR Instrumentation Sales by Application (2019-2024) & (Units)

Table 45. Europe qPCR and dPCR Instrumentation Sales by Country (2019-2024) & (Units)

Table 46. Europe qPCR and dPCR Instrumentation Sales Market Share by Country (2019-2024)

Table 47. Europe qPCR and dPCR Instrumentation Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe qPCR and dPCR Instrumentation Revenue Market Share by Country (2019-2024)

Table 49. Europe qPCR and dPCR Instrumentation Sales by Type (2019-2024) & (Units)

Table 50. Europe qPCR and dPCR Instrumentation Sales by Application (2019-2024) & (Units)

Table 51. Middle East & Africa qPCR and dPCR Instrumentation Sales by Country (2019-2024) & (Units)

Table 52. Middle East & Africa qPCR and dPCR Instrumentation Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa qPCR and dPCR Instrumentation Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa qPCR and dPCR Instrumentation Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa qPCR and dPCR Instrumentation Sales by Type (2019-2024) & (Units)

Table 56. Middle East & Africa qPCR and dPCR Instrumentation Sales by Application (2019-2024) & (Units)

Table 57. Key Market Drivers & Growth Opportunities of qPCR and dPCR Instrumentation

Table 58. Key Market Challenges & Risks of qPCR and dPCR Instrumentation

Table 59. Key Industry Trends of qPCR and dPCR Instrumentation

Table 60. qPCR and dPCR Instrumentation Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. qPCR and dPCR Instrumentation Distributors List

Table 63. qPCR and dPCR Instrumentation Customer List

Table 64. Global qPCR and dPCR Instrumentation Sales Forecast by Region



(2025-2030) & (Units)

Table 65. Global qPCR and dPCR Instrumentation Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 66. Americas qPCR and dPCR Instrumentation Sales Forecast by Country (2025-2030) & (Units)

Table 67. Americas qPCR and dPCR Instrumentation Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. APAC qPCR and dPCR Instrumentation Sales Forecast by Region (2025-2030) & (Units)

Table 69. APAC qPCR and dPCR Instrumentation Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 70. Europe qPCR and dPCR Instrumentation Sales Forecast by Country (2025-2030) & (Units)

Table 71. Europe qPCR and dPCR Instrumentation Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. Middle East & Africa qPCR and dPCR Instrumentation Sales Forecast by Country (2025-2030) & (Units)

Table 73. Middle East & Africa qPCR and dPCR Instrumentation Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 74. Global qPCR and dPCR Instrumentation Sales Forecast by Type (2025-2030) & (Units)

Table 75. Global qPCR and dPCR Instrumentation Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 76. Global qPCR and dPCR Instrumentation Sales Forecast by Application (2025-2030) & (Units)

Table 77. Global qPCR and dPCR Instrumentation Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 78. Thermo Fisher Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 79. Thermo Fisher qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 80. Thermo Fisher qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 81. Thermo Fisher Main Business

Table 82. Thermo Fisher Latest Developments

Table 83. Roche Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 84. Roche qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 85. Roche qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million),

Price (K USD/Unit) and Gross Margin (2019-2024)

Table 86. Roche Main Business

Table 87. Roche Latest Developments

Table 88. QIAGEN Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 89. QIAGEN qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 90. QIAGEN qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 91. QIAGEN Main Business

Table 92. QIAGEN Latest Developments

Table 93. Bio-rad Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 94. Bio-rad qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 95. Bio-rad qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 96. Bio-rad Main Business

Table 97. Bio-rad Latest Developments

Table 98. Agilent Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 99. Agilent qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 100. Agilent qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 101. Agilent Main Business

Table 102. Agilent Latest Developments

Table 103. Bioer Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 104. Bioer qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 105. Bioer qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 106. Bioer Main Business

Table 107. Bioer Latest Developments

Table 108. Biosynex Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 109. Biosynex qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 110. Biosynex qPCR and dPCR Instrumentation Sales (Units), Revenue (\$

Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 111. Biosynex Main Business

Table 112. Biosynex Latest Developments

Table 113. Esco Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 114. Esco qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 115. Esco qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 116. Esco Main Business

Table 117. Esco Latest Developments

Table 118. Analytik Jena Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 119. Analytik Jena qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 120. Analytik Jena qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 121. Analytik Jena Main Business

Table 122. Analytik Jena Latest Developments

Table 123. Techne Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 124. Techne qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 125. Techne qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 126. Techne Main Business

Table 127. Techne Latest Developments

Table 128. Fluidigm Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 129. Fluidigm qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 130. Fluidigm qPCR and dPCR Instrumentation Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 131. Fluidigm Main Business

Table 132. Fluidigm Latest Developments

Table 133. RainDance Technologies Basic Information, qPCR and dPCR Instrumentation Manufacturing Base, Sales Area and Its Competitors

Table 134. RainDance Technologies qPCR and dPCR Instrumentation Product Portfolios and Specifications

Table 135. RainDance Technologies qPCR and dPCR Instrumentation Sales (Units),

Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2019-2024)

Table 136. RainDance Technologies Main Business

Table 137. RainDance Technologies Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of qPCR and dPCR Instrumentation
- Figure 2. qPCR and dPCR Instrumentation Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global qPCR and dPCR Instrumentation Sales Growth Rate 2019-2030 (Units)
- Figure 7. Global qPCR and dPCR Instrumentation Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. qPCR and dPCR Instrumentation Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of dPCR
- Figure 10. Product Picture of qPCR
- Figure 11. Global qPCR and dPCR Instrumentation Sales Market Share by Type in 2023
- Figure 12. Global qPCR and dPCR Instrumentation Revenue Market Share by Type (2019-2024)
- Figure 13. qPCR and dPCR Instrumentation Consumed in Clinical Use
- Figure 14. Global qPCR and dPCR Instrumentation Market: Clinical Use (2019-2024) & (Units)
- Figure 15. qPCR and dPCR Instrumentation Consumed in Research Use
- Figure 16. Global qPCR and dPCR Instrumentation Market: Research Use (2019-2024) & (Units)
- Figure 17. qPCR and dPCR Instrumentation Consumed in Other
- Figure 18. Global qPCR and dPCR Instrumentation Market: Other (2019-2024) & (Units)
- Figure 19. Global qPCR and dPCR Instrumentation Sales Market Share by Application (2023)
- Figure 20. Global qPCR and dPCR Instrumentation Revenue Market Share by Application in 2023
- Figure 21. qPCR and dPCR Instrumentation Sales Market by Company in 2023 (Units)
- Figure 22. Global qPCR and dPCR Instrumentation Sales Market Share by Company in 2023
- Figure 23. qPCR and dPCR Instrumentation Revenue Market by Company in 2023 (\$ Million)
- Figure 24. Global qPCR and dPCR Instrumentation Revenue Market Share by

Company in 2023

Figure 25. Global qPCR and dPCR Instrumentation Sales Market Share by Geographic Region (2019-2024)

Figure 26. Global qPCR and dPCR Instrumentation Revenue Market Share by Geographic Region in 2023

Figure 27. Americas qPCR and dPCR Instrumentation Sales 2019-2024 (Units)

Figure 28. Americas qPCR and dPCR Instrumentation Revenue 2019-2024 (\$ Millions)

Figure 29. APAC qPCR and dPCR Instrumentation Sales 2019-2024 (Units)

Figure 30. APAC qPCR and dPCR Instrumentation Revenue 2019-2024 (\$ Millions)

Figure 31. Europe qPCR and dPCR Instrumentation Sales 2019-2024 (Units)

Figure 32. Europe qPCR and dPCR Instrumentation Revenue 2019-2024 (\$ Millions)

Figure 33. Middle East & Africa qPCR and dPCR Instrumentation Sales 2019-2024 (Units)

Figure 34. Middle East & Africa qPCR and dPCR Instrumentation Revenue 2019-2024 (\$ Millions)

Figure 35. Americas qPCR and dPCR Instrumentation Sales Market Share by Country in 2023

Figure 36. Americas qPCR and dPCR Instrumentation Revenue Market Share by Country in 2023

Figure 37. Americas qPCR and dPCR Instrumentation Sales Market Share by Type (2019-2024)

Figure 38. Americas qPCR and dPCR Instrumentation Sales Market Share by Application (2019-2024)

Figure 39. United States qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 40. Canada qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 41. Mexico qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 42. Brazil qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 43. APAC qPCR and dPCR Instrumentation Sales Market Share by Region in 2023

Figure 44. APAC qPCR and dPCR Instrumentation Revenue Market Share by Regions in 2023

Figure 45. APAC qPCR and dPCR Instrumentation Sales Market Share by Type (2019-2024)

Figure 46. APAC qPCR and dPCR Instrumentation Sales Market Share by Application (2019-2024)

Figure 47. China qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 48. Japan qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 49. South Korea qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 50. Southeast Asia qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 51. India qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Australia qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 53. China Taiwan qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 54. Europe qPCR and dPCR Instrumentation Sales Market Share by Country in 2023

Figure 55. Europe qPCR and dPCR Instrumentation Revenue Market Share by Country in 2023

Figure 56. Europe qPCR and dPCR Instrumentation Sales Market Share by Type (2019-2024)

Figure 57. Europe qPCR and dPCR Instrumentation Sales Market Share by Application (2019-2024)

Figure 58. Germany qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 59. France qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 60. UK qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 61. Italy qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 62. Russia qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 63. Middle East & Africa qPCR and dPCR Instrumentation Sales Market Share by Country in 2023

Figure 64. Middle East & Africa qPCR and dPCR Instrumentation Revenue Market Share by Country in 2023

Figure 65. Middle East & Africa qPCR and dPCR Instrumentation Sales Market Share by Type (2019-2024)

Figure 66. Middle East & Africa qPCR and dPCR Instrumentation Sales Market Share

by Application (2019-2024)

Figure 67. Egypt qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 68. South Africa qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 69. Israel qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 70. Turkey qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 71. GCC Country qPCR and dPCR Instrumentation Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Manufacturing Cost Structure Analysis of qPCR and dPCR Instrumentation in 2023

Figure 73. Manufacturing Process Analysis of qPCR and dPCR Instrumentation

Figure 74. Industry Chain Structure of qPCR and dPCR Instrumentation

Figure 75. Channels of Distribution

Figure 76. Global qPCR and dPCR Instrumentation Sales Market Forecast by Region (2025-2030)

Figure 77. Global qPCR and dPCR Instrumentation Revenue Market Share Forecast by Region (2025-2030)

Figure 78. Global qPCR and dPCR Instrumentation Sales Market Share Forecast by Type (2025-2030)

Figure 79. Global qPCR and dPCR Instrumentation Revenue Market Share Forecast by Type (2025-2030)

Figure 80. Global qPCR and dPCR Instrumentation Sales Market Share Forecast by Application (2025-2030)

Figure 81. Global qPCR and dPCR Instrumentation Revenue Market Share Forecast by Application (2025-2030)



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