

Global Real-time PCR Instruments and Reagents Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Real-time PCR Instruments and Reagents market size was valued at USD 4404.9 million in 2023 and is forecast to a readjusted size of USD 7151.4 million by 2030 with a CAGR of 7.2% during review period.

In conventional PCR, the amplified DNA product, or amplicon, is detected in an end-point analysis. In real-time PCR, the accumulation of amplification product is measured as the reaction progresses, in real time, with product quantification after each cycle. The main advantage of real-time PCR over PCR is that real-time PCR allows you to determine the initial number of copies of template DNA (the amplification target sequence) with accuracy and high sensitivity over a wide dynamic range. Real-time PCR results can either be qualitative (the presence or absence of a sequence) or quantitative (copy number). Quantitative real-time PCR is thus also known as qPCR analysis. In contrast, PCR is at best semiquantitative. Additionally, real-time qPCR data can be evaluated without gelelectrophoresis, resulting in reduced bench time and increased throughput. Finally, because real-time qPCR reactions are run and data are evaluated in a unified, closed-tube qPCR system, opportunities for contamination are reduced and the need for postamplification manipulation is eliminated in qPCR analysis.

In Middle East, key players of real-time PCR instruments and reagents include Bioeksen R&D Technologies, Sansure Biotech, Thermo Fisher Scientific, etc. The top three players hold a share about 34%. Egypt is the largest market in Middle East, has around 27% share, followed by Turkey and Saudi Arabia, with about 25% and 18% share, respectively.

The Global Info Research report includes an overview of the development of the Real-time PCR Instruments and Reagents industry chain, the market status of Infectious Disease (Reagent, Instrument), Prenatal and Postnatal Care (Reagent, Instrument), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Real-time PCR Instruments and Reagents.

Regionally, the report analyzes the Real-time PCR Instruments and Reagents 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 Real-time PCR Instruments and Reagents market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Real-time PCR Instruments and Reagents 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 Real-time PCR Instruments and Reagents 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 revenue generated, and market share of different by Type (e.g., Reagent, Instrument).

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 Real-time PCR Instruments and Reagents market.

Regional Analysis: The report involves examining the Real-time PCR Instruments and Reagents 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 Real-time PCR Instruments and Reagents market. This

may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Real-time PCR Instruments and Reagents:

Company Analysis: Report covers individual Real-time PCR Instruments and Reagents players, 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 Real-time PCR Instruments and Reagents. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Infectious Disease, Prenatal and Postnatal Care).

Technology Analysis: Report covers specific technologies relevant to Real-time PCR Instruments and Reagents. It assesses the current state, advancements, and potential future developments in Real-time PCR Instruments and Reagents areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Real-time PCR Instruments and Reagents 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

Real-time PCR Instruments and Reagents 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 value.

Market segment by Type

Reagent

Instrument

Market segment by Application

Infectious Disease

Prenatal and Postnatal Care

Cancer Screening and Treatment

Organ Transplant

Individual Identification

Agriculture

Customs Quarantine

Food Safety

Forensic

Other

Market segment by players, this report covers

Thermo Fisher Scientific

Roche

DaAn Gene

Sansure Biotech

QIAGEN

Bio-Rad

Biosynex

Cepheid

Hangzhou Bloer Technology

Liferiver Bio-Tech

Xi'an Tianlong Science and Technology

Bioperfectus Technologies

BGI Group

Agilent Technologies

HybriBio

Shanghai Biogerm Medical

Shanghai Hongshi Medical Technology

Suzhou Molarray

Merck

Analytik Jena

Takara

Meridian Life Science

Promega Corporation

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Real-time PCR Instruments and Reagents product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Real-time PCR Instruments and Reagents, with revenue, gross margin and global market share of Real-time PCR Instruments and Reagents from 2019 to 2024.

Chapter 3, the Real-time PCR Instruments and Reagents competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Real-time PCR Instruments and Reagents market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Real-time PCR Instruments and Reagents.

Chapter 13, to describe Real-time PCR Instruments and Reagents research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Real-time PCR Instruments and Reagents

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Real-time PCR Instruments and Reagents by Type

1.3.1 Overview: Global Real-time PCR Instruments and Reagents Market Size by Type: 2019 Versus 2023 Versus 2030

1.3.2 Global Real-time PCR Instruments and Reagents Consumption Value Market Share by Type in 2023

1.3.3 Reagent

1.3.4 Instrument

1.4 Global Real-time PCR Instruments and Reagents Market by Application

1.4.1 Overview: Global Real-time PCR Instruments and Reagents Market Size by Application: 2019 Versus 2023 Versus 2030

1.4.2 Infectious Disease

1.4.3 Prenatal and Postnatal Care

1.4.4 Cancer Screening and Treatment

1.4.5 Organ Transplant

1.4.6 Individual Identification

1.4.7 Agriculture

1.4.8 Customs Quarantine

1.4.9 Food Safety

1.4.10 Forensic

1.4.11 Other

1.5 Global Real-time PCR Instruments and Reagents Market Size & Forecast

1.6 Global Real-time PCR Instruments and Reagents Market Size and Forecast by Region

1.6.1 Global Real-time PCR Instruments and Reagents Market Size by Region: 2019 VS 2023 VS 2030

1.6.2 Global Real-time PCR Instruments and Reagents Market Size by Region, (2019-2030)

1.6.3 North America Real-time PCR Instruments and Reagents Market Size and Prospect (2019-2030)

1.6.4 Europe Real-time PCR Instruments and Reagents Market Size and Prospect (2019-2030)

1.6.5 Asia-Pacific Real-time PCR Instruments and Reagents Market Size and Prospect (2019-2030)

1.6.6 South America Real-time PCR Instruments and Reagents Market Size and Prospect (2019-2030)

1.6.7 Middle East and Africa Real-time PCR Instruments and Reagents Market Size and Prospect (2019-2030)

2 COMPANY PROFILES

2.1 Thermo Fisher Scientific

2.1.1 Thermo Fisher Scientific Details

2.1.2 Thermo Fisher Scientific Major Business

2.1.3 Thermo Fisher Scientific Real-time PCR Instruments and Reagents Product and Solutions

2.1.4 Thermo Fisher Scientific Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Thermo Fisher Scientific Recent Developments and Future Plans

2.2 Roche

2.2.1 Roche Details

2.2.2 Roche Major Business

2.2.3 Roche Real-time PCR Instruments and Reagents Product and Solutions

2.2.4 Roche Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Roche Recent Developments and Future Plans

2.3 DaAn Gene

2.3.1 DaAn Gene Details

2.3.2 DaAn Gene Major Business

2.3.3 DaAn Gene Real-time PCR Instruments and Reagents Product and Solutions

2.3.4 DaAn Gene Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 DaAn Gene Recent Developments and Future Plans

2.4 Sansure Biotech

2.4.1 Sansure Biotech Details

2.4.2 Sansure Biotech Major Business

2.4.3 Sansure Biotech Real-time PCR Instruments and Reagents Product and Solutions

2.4.4 Sansure Biotech Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Sansure Biotech Recent Developments and Future Plans

2.5 QIAGEN

2.5.1 QIAGEN Details

- 2.5.2 QIAGEN Major Business
- 2.5.3 QIAGEN Real-time PCR Instruments and Reagents Product and Solutions
- 2.5.4 QIAGEN Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)
- 2.5.5 QIAGEN Recent Developments and Future Plans
- 2.6 Bio-Rad
 - 2.6.1 Bio-Rad Details
 - 2.6.2 Bio-Rad Major Business
 - 2.6.3 Bio-Rad Real-time PCR Instruments and Reagents Product and Solutions
 - 2.6.4 Bio-Rad Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 Bio-Rad Recent Developments and Future Plans
- 2.7 Biosynex
 - 2.7.1 Biosynex Details
 - 2.7.2 Biosynex Major Business
 - 2.7.3 Biosynex Real-time PCR Instruments and Reagents Product and Solutions
 - 2.7.4 Biosynex Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Biosynex Recent Developments and Future Plans
- 2.8 Cepheid
 - 2.8.1 Cepheid Details
 - 2.8.2 Cepheid Major Business
 - 2.8.3 Cepheid Real-time PCR Instruments and Reagents Product and Solutions
 - 2.8.4 Cepheid Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)
 - 2.8.5 Cepheid Recent Developments and Future Plans
- 2.9 Hangzhou Bloer Technology
 - 2.9.1 Hangzhou Bloer Technology Details
 - 2.9.2 Hangzhou Bloer Technology Major Business
 - 2.9.3 Hangzhou Bloer Technology Real-time PCR Instruments and Reagents Product and Solutions
 - 2.9.4 Hangzhou Bloer Technology Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Hangzhou Bloer Technology Recent Developments and Future Plans
- 2.10 Liferiver Bio-Tech
 - 2.10.1 Liferiver Bio-Tech Details
 - 2.10.2 Liferiver Bio-Tech Major Business
 - 2.10.3 Liferiver Bio-Tech Real-time PCR Instruments and Reagents Product and Solutions

2.10.4 Liferiver Bio-Tech Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Liferiver Bio-Tech Recent Developments and Future Plans

2.11 Xi'an Tianlong Science and Technology

2.11.1 Xi'an Tianlong Science and Technology Details

2.11.2 Xi'an Tianlong Science and Technology Major Business

2.11.3 Xi'an Tianlong Science and Technology Real-time PCR Instruments and Reagents Product and Solutions

2.11.4 Xi'an Tianlong Science and Technology Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 Xi'an Tianlong Science and Technology Recent Developments and Future Plans

2.12 Bioperfectus Technologies

2.12.1 Bioperfectus Technologies Details

2.12.2 Bioperfectus Technologies Major Business

2.12.3 Bioperfectus Technologies Real-time PCR Instruments and Reagents Product and Solutions

2.12.4 Bioperfectus Technologies Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.12.5 Bioperfectus Technologies Recent Developments and Future Plans

2.13 BGI Group

2.13.1 BGI Group Details

2.13.2 BGI Group Major Business

2.13.3 BGI Group Real-time PCR Instruments and Reagents Product and Solutions

2.13.4 BGI Group Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 BGI Group Recent Developments and Future Plans

2.14 Agilent Technologies

2.14.1 Agilent Technologies Details

2.14.2 Agilent Technologies Major Business

2.14.3 Agilent Technologies Real-time PCR Instruments and Reagents Product and Solutions

2.14.4 Agilent Technologies Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.14.5 Agilent Technologies Recent Developments and Future Plans

2.15 HybriBio

2.15.1 HybriBio Details

2.15.2 HybriBio Major Business

2.15.3 HybriBio Real-time PCR Instruments and Reagents Product and Solutions

2.15.4 HybriBio Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.15.5 HybriBio Recent Developments and Future Plans

2.16 Shanghai Biogerm Medical

2.16.1 Shanghai Biogerm Medical Details

2.16.2 Shanghai Biogerm Medical Major Business

2.16.3 Shanghai Biogerm Medical Real-time PCR Instruments and Reagents Product and Solutions

2.16.4 Shanghai Biogerm Medical Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.16.5 Shanghai Biogerm Medical Recent Developments and Future Plans

2.17 Shanghai Hongshi Medical Technology

2.17.1 Shanghai Hongshi Medical Technology Details

2.17.2 Shanghai Hongshi Medical Technology Major Business

2.17.3 Shanghai Hongshi Medical Technology Real-time PCR Instruments and Reagents Product and Solutions

2.17.4 Shanghai Hongshi Medical Technology Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.17.5 Shanghai Hongshi Medical Technology Recent Developments and Future Plans

2.18 Suzhou Molarray

2.18.1 Suzhou Molarray Details

2.18.2 Suzhou Molarray Major Business

2.18.3 Suzhou Molarray Real-time PCR Instruments and Reagents Product and Solutions

2.18.4 Suzhou Molarray Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.18.5 Suzhou Molarray Recent Developments and Future Plans

2.19 Merck

2.19.1 Merck Details

2.19.2 Merck Major Business

2.19.3 Merck Real-time PCR Instruments and Reagents Product and Solutions

2.19.4 Merck Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.19.5 Merck Recent Developments and Future Plans

2.20 Analytik Jena

2.20.1 Analytik Jena Details

2.20.2 Analytik Jena Major Business

2.20.3 Analytik Jena Real-time PCR Instruments and Reagents Product and Solutions

2.20.4 Analytik Jena Real-time PCR Instruments and Reagents Revenue, Gross

Margin and Market Share (2019-2024)

2.20.5 Analytik Jena Recent Developments and Future Plans

2.21 Takara

2.21.1 Takara Details

2.21.2 Takara Major Business

2.21.3 Takara Real-time PCR Instruments and Reagents Product and Solutions

2.21.4 Takara Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.21.5 Takara Recent Developments and Future Plans

2.22 Meridian Life Science

2.22.1 Meridian Life Science Details

2.22.2 Meridian Life Science Major Business

2.22.3 Meridian Life Science Real-time PCR Instruments and Reagents Product and Solutions

2.22.4 Meridian Life Science Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.22.5 Meridian Life Science Recent Developments and Future Plans

2.23 Promega Corporation

2.23.1 Promega Corporation Details

2.23.2 Promega Corporation Major Business

2.23.3 Promega Corporation Real-time PCR Instruments and Reagents Product and Solutions

2.23.4 Promega Corporation Real-time PCR Instruments and Reagents Revenue, Gross Margin and Market Share (2019-2024)

2.23.5 Promega Corporation Recent Developments and Future Plans

3 MARKET COMPETITION, BY PLAYERS

3.1 Global Real-time PCR Instruments and Reagents Revenue and Share by Players (2019-2024)

3.2 Market Share Analysis (2023)

3.2.1 Market Share of Real-time PCR Instruments and Reagents by Company Revenue

3.2.2 Top 3 Real-time PCR Instruments and Reagents Players Market Share in 2023

3.2.3 Top 6 Real-time PCR Instruments and Reagents Players Market Share in 2023

3.3 Real-time PCR Instruments and Reagents Market: Overall Company Footprint Analysis

3.3.1 Real-time PCR Instruments and Reagents Market: Region Footprint

3.3.2 Real-time PCR Instruments and Reagents Market: Company Product Type

Footprint

3.3.3 Real-time PCR Instruments and Reagents Market: Company Product Application

Footprint

3.4 New Market Entrants and Barriers to Market Entry

3.5 Mergers, Acquisition, Agreements, and Collaborations

4 MARKET SIZE SEGMENT BY TYPE

4.1 Global Real-time PCR Instruments and Reagents Consumption Value and Market Share by Type (2019-2024)

4.2 Global Real-time PCR Instruments and Reagents Market Forecast by Type (2025-2030)

5 MARKET SIZE SEGMENT BY APPLICATION

5.1 Global Real-time PCR Instruments and Reagents Consumption Value Market Share by Application (2019-2024)

5.2 Global Real-time PCR Instruments and Reagents Market Forecast by Application (2025-2030)

6 NORTH AMERICA

6.1 North America Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2030)

6.2 North America Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2030)

6.3 North America Real-time PCR Instruments and Reagents Market Size by Country

6.3.1 North America Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2030)

6.3.2 United States Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

6.3.3 Canada Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

6.3.4 Mexico Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

7 EUROPE

7.1 Europe Real-time PCR Instruments and Reagents Consumption Value by Type

(2019-2030)

7.2 Europe Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2030)

7.3 Europe Real-time PCR Instruments and Reagents Market Size by Country

7.3.1 Europe Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2030)

7.3.2 Germany Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

7.3.3 France Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

7.3.4 United Kingdom Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

7.3.5 Russia Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

7.3.6 Italy Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

8 ASIA-PACIFIC

8.1 Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2030)

8.2 Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2030)

8.3 Asia-Pacific Real-time PCR Instruments and Reagents Market Size by Region

8.3.1 Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Region (2019-2030)

8.3.2 China Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

8.3.3 Japan Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

8.3.4 South Korea Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

8.3.5 India Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

8.3.6 Southeast Asia Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

8.3.7 Australia Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

9 SOUTH AMERICA

9.1 South America Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2030)

9.2 South America Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2030)

9.3 South America Real-time PCR Instruments and Reagents Market Size by Country

9.3.1 South America Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2030)

9.3.2 Brazil Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

9.3.3 Argentina Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

10 MIDDLE EAST & AFRICA

10.1 Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2030)

10.2 Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2030)

10.3 Middle East & Africa Real-time PCR Instruments and Reagents Market Size by Country

10.3.1 Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2030)

10.3.2 Turkey Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

10.3.3 Saudi Arabia Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

10.3.4 UAE Real-time PCR Instruments and Reagents Market Size and Forecast (2019-2030)

11 MARKET DYNAMICS

11.1 Real-time PCR Instruments and Reagents Market Drivers

11.2 Real-time PCR Instruments and Reagents Market Restraints

11.3 Real-time PCR Instruments and Reagents Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

12 INDUSTRY CHAIN ANALYSIS

12.1 Real-time PCR Instruments and Reagents Industry Chain

12.2 Real-time PCR Instruments and Reagents Upstream Analysis

12.3 Real-time PCR Instruments and Reagents Midstream Analysis

12.4 Real-time PCR Instruments and Reagents Downstream Analysis

13 RESEARCH FINDINGS AND CONCLUSION

14 APPENDIX

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Real-time PCR Instruments and Reagents Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Real-time PCR Instruments and Reagents Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Global Real-time PCR Instruments and Reagents Consumption Value by Region (2019-2024) & (USD Million)

Table 4. Global Real-time PCR Instruments and Reagents Consumption Value by Region (2025-2030) & (USD Million)

Table 5. Thermo Fisher Scientific Company Information, Head Office, and Major Competitors

Table 6. Thermo Fisher Scientific Major Business

Table 7. Thermo Fisher Scientific Real-time PCR Instruments and Reagents Product and Solutions

Table 8. Thermo Fisher Scientific Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 9. Thermo Fisher Scientific Recent Developments and Future Plans

Table 10. Roche Company Information, Head Office, and Major Competitors

Table 11. Roche Major Business

Table 12. Roche Real-time PCR Instruments and Reagents Product and Solutions

Table 13. Roche Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 14. Roche Recent Developments and Future Plans

Table 15. DaAn Gene Company Information, Head Office, and Major Competitors

Table 16. DaAn Gene Major Business

Table 17. DaAn Gene Real-time PCR Instruments and Reagents Product and Solutions

Table 18. DaAn Gene Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 19. DaAn Gene Recent Developments and Future Plans

Table 20. Sansure Biotech Company Information, Head Office, and Major Competitors

Table 21. Sansure Biotech Major Business

Table 22. Sansure Biotech Real-time PCR Instruments and Reagents Product and Solutions

Table 23. Sansure Biotech Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 24. Sansure Biotech Recent Developments and Future Plans

- Table 25. QIAGEN Company Information, Head Office, and Major Competitors
- Table 26. QIAGEN Major Business
- Table 27. QIAGEN Real-time PCR Instruments and Reagents Product and Solutions
- Table 28. QIAGEN Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 29. QIAGEN Recent Developments and Future Plans
- Table 30. Bio-Rad Company Information, Head Office, and Major Competitors
- Table 31. Bio-Rad Major Business
- Table 32. Bio-Rad Real-time PCR Instruments and Reagents Product and Solutions
- Table 33. Bio-Rad Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 34. Bio-Rad Recent Developments and Future Plans
- Table 35. Biosynex Company Information, Head Office, and Major Competitors
- Table 36. Biosynex Major Business
- Table 37. Biosynex Real-time PCR Instruments and Reagents Product and Solutions
- Table 38. Biosynex Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 39. Biosynex Recent Developments and Future Plans
- Table 40. Cepheid Company Information, Head Office, and Major Competitors
- Table 41. Cepheid Major Business
- Table 42. Cepheid Real-time PCR Instruments and Reagents Product and Solutions
- Table 43. Cepheid Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 44. Cepheid Recent Developments and Future Plans
- Table 45. Hangzhou Bloer Technology Company Information, Head Office, and Major Competitors
- Table 46. Hangzhou Bloer Technology Major Business
- Table 47. Hangzhou Bloer Technology Real-time PCR Instruments and Reagents Product and Solutions
- Table 48. Hangzhou Bloer Technology Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 49. Hangzhou Bloer Technology Recent Developments and Future Plans
- Table 50. Liferiver Bio-Tech Company Information, Head Office, and Major Competitors
- Table 51. Liferiver Bio-Tech Major Business
- Table 52. Liferiver Bio-Tech Real-time PCR Instruments and Reagents Product and Solutions
- Table 53. Liferiver Bio-Tech Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 54. Liferiver Bio-Tech Recent Developments and Future Plans

Table 55. Xi'an Tianlong Science and Technology Company Information, Head Office, and Major Competitors

Table 56. Xi'an Tianlong Science and Technology Major Business

Table 57. Xi'an Tianlong Science and Technology Real-time PCR Instruments and Reagents Product and Solutions

Table 58. Xi'an Tianlong Science and Technology Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 59. Xi'an Tianlong Science and Technology Recent Developments and Future Plans

Table 60. Bioperfectus Technologies Company Information, Head Office, and Major Competitors

Table 61. Bioperfectus Technologies Major Business

Table 62. Bioperfectus Technologies Real-time PCR Instruments and Reagents Product and Solutions

Table 63. Bioperfectus Technologies Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 64. Bioperfectus Technologies Recent Developments and Future Plans

Table 65. BGI Group Company Information, Head Office, and Major Competitors

Table 66. BGI Group Major Business

Table 67. BGI Group Real-time PCR Instruments and Reagents Product and Solutions

Table 68. BGI Group Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 69. BGI Group Recent Developments and Future Plans

Table 70. Agilent Technologies Company Information, Head Office, and Major Competitors

Table 71. Agilent Technologies Major Business

Table 72. Agilent Technologies Real-time PCR Instruments and Reagents Product and Solutions

Table 73. Agilent Technologies Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 74. Agilent Technologies Recent Developments and Future Plans

Table 75. HybriBio Company Information, Head Office, and Major Competitors

Table 76. HybriBio Major Business

Table 77. HybriBio Real-time PCR Instruments and Reagents Product and Solutions

Table 78. HybriBio Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 79. HybriBio Recent Developments and Future Plans

Table 80. Shanghai Biogerm Medical Company Information, Head Office, and Major Competitors

- Table 81. Shanghai Biogerm Medical Major Business
- Table 82. Shanghai Biogerm Medical Real-time PCR Instruments and Reagents Product and Solutions
- Table 83. Shanghai Biogerm Medical Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 84. Shanghai Biogerm Medical Recent Developments and Future Plans
- Table 85. Shanghai Hongshi Medical Technology Company Information, Head Office, and Major Competitors
- Table 86. Shanghai Hongshi Medical Technology Major Business
- Table 87. Shanghai Hongshi Medical Technology Real-time PCR Instruments and Reagents Product and Solutions
- Table 88. Shanghai Hongshi Medical Technology Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 89. Shanghai Hongshi Medical Technology Recent Developments and Future Plans
- Table 90. Suzhou Molarray Company Information, Head Office, and Major Competitors
- Table 91. Suzhou Molarray Major Business
- Table 92. Suzhou Molarray Real-time PCR Instruments and Reagents Product and Solutions
- Table 93. Suzhou Molarray Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 94. Suzhou Molarray Recent Developments and Future Plans
- Table 95. Merck Company Information, Head Office, and Major Competitors
- Table 96. Merck Major Business
- Table 97. Merck Real-time PCR Instruments and Reagents Product and Solutions
- Table 98. Merck Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 99. Merck Recent Developments and Future Plans
- Table 100. Analytik Jena Company Information, Head Office, and Major Competitors
- Table 101. Analytik Jena Major Business
- Table 102. Analytik Jena Real-time PCR Instruments and Reagents Product and Solutions
- Table 103. Analytik Jena Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 104. Analytik Jena Recent Developments and Future Plans
- Table 105. Takara Company Information, Head Office, and Major Competitors
- Table 106. Takara Major Business
- Table 107. Takara Real-time PCR Instruments and Reagents Product and Solutions
- Table 108. Takara Real-time PCR Instruments and Reagents Revenue (USD Million),

Gross Margin and Market Share (2019-2024)

Table 109. Takara Recent Developments and Future Plans

Table 110. Meridian Life Science Company Information, Head Office, and Major Competitors

Table 111. Meridian Life Science Major Business

Table 112. Meridian Life Science Real-time PCR Instruments and Reagents Product and Solutions

Table 113. Meridian Life Science Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 114. Meridian Life Science Recent Developments and Future Plans

Table 115. Promega Corporation Company Information, Head Office, and Major Competitors

Table 116. Promega Corporation Major Business

Table 117. Promega Corporation Real-time PCR Instruments and Reagents Product and Solutions

Table 118. Promega Corporation Real-time PCR Instruments and Reagents Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 119. Promega Corporation Recent Developments and Future Plans

Table 120. Global Real-time PCR Instruments and Reagents Revenue (USD Million) by Players (2019-2024)

Table 121. Global Real-time PCR Instruments and Reagents Revenue Share by Players (2019-2024)

Table 122. Breakdown of Real-time PCR Instruments and Reagents by Company Type (Tier 1, Tier 2, and Tier 3)

Table 123. Market Position of Players in Real-time PCR Instruments and Reagents, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2023

Table 124. Head Office of Key Real-time PCR Instruments and Reagents Players

Table 125. Real-time PCR Instruments and Reagents Market: Company Product Type Footprint

Table 126. Real-time PCR Instruments and Reagents Market: Company Product Application Footprint

Table 127. Real-time PCR Instruments and Reagents New Market Entrants and Barriers to Market Entry

Table 128. Real-time PCR Instruments and Reagents Mergers, Acquisition, Agreements, and Collaborations

Table 129. Global Real-time PCR Instruments and Reagents Consumption Value (USD Million) by Type (2019-2024)

Table 130. Global Real-time PCR Instruments and Reagents Consumption Value Share by Type (2019-2024)

Table 131. Global Real-time PCR Instruments and Reagents Consumption Value Forecast by Type (2025-2030)

Table 132. Global Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2024)

Table 133. Global Real-time PCR Instruments and Reagents Consumption Value Forecast by Application (2025-2030)

Table 134. North America Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2024) & (USD Million)

Table 135. North America Real-time PCR Instruments and Reagents Consumption Value by Type (2025-2030) & (USD Million)

Table 136. North America Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2024) & (USD Million)

Table 137. North America Real-time PCR Instruments and Reagents Consumption Value by Application (2025-2030) & (USD Million)

Table 138. North America Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2024) & (USD Million)

Table 139. North America Real-time PCR Instruments and Reagents Consumption Value by Country (2025-2030) & (USD Million)

Table 140. Europe Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2024) & (USD Million)

Table 141. Europe Real-time PCR Instruments and Reagents Consumption Value by Type (2025-2030) & (USD Million)

Table 142. Europe Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2024) & (USD Million)

Table 143. Europe Real-time PCR Instruments and Reagents Consumption Value by Application (2025-2030) & (USD Million)

Table 144. Europe Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2024) & (USD Million)

Table 145. Europe Real-time PCR Instruments and Reagents Consumption Value by Country (2025-2030) & (USD Million)

Table 146. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2024) & (USD Million)

Table 147. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Type (2025-2030) & (USD Million)

Table 148. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2024) & (USD Million)

Table 149. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Application (2025-2030) & (USD Million)

Table 150. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value

by Region (2019-2024) & (USD Million)

Table 151. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value by Region (2025-2030) & (USD Million)

Table 152. South America Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2024) & (USD Million)

Table 153. South America Real-time PCR Instruments and Reagents Consumption Value by Type (2025-2030) & (USD Million)

Table 154. South America Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2024) & (USD Million)

Table 155. South America Real-time PCR Instruments and Reagents Consumption Value by Application (2025-2030) & (USD Million)

Table 156. South America Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2024) & (USD Million)

Table 157. South America Real-time PCR Instruments and Reagents Consumption Value by Country (2025-2030) & (USD Million)

Table 158. Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Type (2019-2024) & (USD Million)

Table 159. Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Type (2025-2030) & (USD Million)

Table 160. Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Application (2019-2024) & (USD Million)

Table 161. Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Application (2025-2030) & (USD Million)

Table 162. Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Country (2019-2024) & (USD Million)

Table 163. Middle East & Africa Real-time PCR Instruments and Reagents Consumption Value by Country (2025-2030) & (USD Million)

Table 164. Real-time PCR Instruments and Reagents Raw Material

Table 165. Key Suppliers of Real-time PCR Instruments and Reagents Raw Materials

List Of Figures

LIST OF FIGURES

Figure 1. Real-time PCR Instruments and Reagents Picture

Figure 2. Global Real-time PCR Instruments and Reagents Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Real-time PCR Instruments and Reagents Consumption Value Market Share by Type in 2023

Figure 4. Reagent

Figure 5. Instrument

Figure 6. Global Real-time PCR Instruments and Reagents Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 7. Real-time PCR Instruments and Reagents Consumption Value Market Share by Application in 2023

Figure 8. Infectious Disease Picture

Figure 9. Prenatal and Postnatal Care Picture

Figure 10. Cancer Screening and Treatment Picture

Figure 11. Organ Transplant Picture

Figure 12. Individual Identification Picture

Figure 13. Agriculture Picture

Figure 14. Customs Quarantine Picture

Figure 15. Food Safety Picture

Figure 16. Forensic Picture

Figure 17. Global Real-time PCR Instruments and Reagents Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 18. Global Real-time PCR Instruments and Reagents Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 19. Global Market Real-time PCR Instruments and Reagents Consumption Value (USD Million) Comparison by Region (2019 & 2023 & 2030)

Figure 20. Global Real-time PCR Instruments and Reagents Consumption Value Market Share by Region (2019-2030)

Figure 21. Global Real-time PCR Instruments and Reagents Consumption Value Market Share by Region in 2023

Figure 22. North America Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 23. Europe Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 24. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value

(2019-2030) & (USD Million)

Figure 25. South America Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 26. Middle East and Africa Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 27. Global Real-time PCR Instruments and Reagents Revenue Share by Players in 2023

Figure 28. Real-time PCR Instruments and Reagents Market Share by Company Type (Tier 1, Tier 2 and Tier 3) in 2023

Figure 29. Global Top 3 Players Real-time PCR Instruments and Reagents Market Share in 2023

Figure 30. Global Top 6 Players Real-time PCR Instruments and Reagents Market Share in 2023

Figure 31. Global Real-time PCR Instruments and Reagents Consumption Value Share by Type (2019-2024)

Figure 32. Global Real-time PCR Instruments and Reagents Market Share Forecast by Type (2025-2030)

Figure 33. Global Real-time PCR Instruments and Reagents Consumption Value Share by Application (2019-2024)

Figure 34. Global Real-time PCR Instruments and Reagents Market Share Forecast by Application (2025-2030)

Figure 35. North America Real-time PCR Instruments and Reagents Consumption Value Market Share by Type (2019-2030)

Figure 36. North America Real-time PCR Instruments and Reagents Consumption Value Market Share by Application (2019-2030)

Figure 37. North America Real-time PCR Instruments and Reagents Consumption Value Market Share by Country (2019-2030)

Figure 38. United States Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 39. Canada Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 40. Mexico Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 41. Europe Real-time PCR Instruments and Reagents Consumption Value Market Share by Type (2019-2030)

Figure 42. Europe Real-time PCR Instruments and Reagents Consumption Value Market Share by Application (2019-2030)

Figure 43. Europe Real-time PCR Instruments and Reagents Consumption Value Market Share by Country (2019-2030)

Figure 44. Germany Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 45. France Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 46. United Kingdom Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 47. Russia Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 48. Italy Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 49. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value Market Share by Type (2019-2030)

Figure 50. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value Market Share by Application (2019-2030)

Figure 51. Asia-Pacific Real-time PCR Instruments and Reagents Consumption Value Market Share by Region (2019-2030)

Figure 52. China Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 53. Japan Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 54. South Korea Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 55. India Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 56. Southeast Asia Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 57. Australia Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 58. South America Real-time PCR Instruments and Reagents Consumption Value Market Share by Type (2019-2030)

Figure 59. South America Real-time PCR Instruments and Reagents Consumption Value Market Share by Application (2019-2030)

Figure 60. South America Real-time PCR Instruments and Reagents Consumption Value Market Share by Country (2019-2030)

Figure 61. Brazil Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 62. Argentina Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 63. Middle East and Africa Real-time PCR Instruments and Reagents

Consumption Value Market Share by Type (2019-2030)

Figure 64. Middle East and Africa Real-time PCR Instruments and Reagents

Consumption Value Market Share by Application (2019-2030)

Figure 65. Middle East and Africa Real-time PCR Instruments and Reagents

Consumption Value Market Share by Country (2019-2030)

Figure 66. Turkey Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 67. Saudi Arabia Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 68. UAE Real-time PCR Instruments and Reagents Consumption Value (2019-2030) & (USD Million)

Figure 69. Real-time PCR Instruments and Reagents Market Drivers

Figure 70. Real-time PCR Instruments and Reagents Market Restraints

Figure 71. Real-time PCR Instruments and Reagents Market Trends

Figure 72. Porters Five Forces Analysis

Figure 73. Manufacturing Cost Structure Analysis of Real-time PCR Instruments and Reagents in 2023

Figure 74. Manufacturing Process Analysis of Real-time PCR Instruments and Reagents

Figure 75. Real-time PCR Instruments and Reagents Industrial Chain

Figure 76. Methodology

Figure 77. Research Process and Data Source

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