

Global qPCR and dPCR Instrumentation Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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Abstracts

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.

According to APO Research, The global qPCR and dPCR Instrumentation market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

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.

This report presents an overview of global market for qPCR and dPCR Instrumentation, sales, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of qPCR and dPCR Instrumentation, also provides the sales of main regions and countries. Of the upcoming market potential for qPCR and dPCR Instrumentation, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the qPCR and dPCR Instrumentation sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global qPCR and dPCR Instrumentation market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for qPCR and dPCR Instrumentation sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Thermo Fisher, Roche, QIAGEN, Bio-rad, Agilent, Bioer, Biosynex, Esco and Analytik Jena, etc.

qPCR and dPCR Instrumentation segment by Company

Thermo Fisher

Roche

QIAGEN

Bio-rad

Agilent

Bioer

Biosynex

Esco

Analytik Jena

Techne

Fluidigm

RainDance Technologies

qPCR and dPCR Instrumentation segment by Type

dPCR

qPCR

qPCR and dPCR Instrumentation segment by Application

Clinical Use

Research Use

Other

qPCR and dPCR Instrumentation segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries

and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global qPCR and dPCR Instrumentation market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of qPCR and dPCR Instrumentation and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of qPCR and dPCR Instrumentation.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the qPCR and dPCR Instrumentation market, including product definition, global market growth prospects, market size, sales, and average price forecasts (2019-2030).

Chapter 2: Provides the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of qPCR and dPCR Instrumentation manufacturers

competitive landscape, price, sales and revenue market share, latest development plan, merger, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Sales of qPCR and dPCR Instrumentation in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space of each country in the world.

Chapter 7: Revenue of qPCR and dPCR Instrumentation in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space of each country in the world.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report

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