

# Global Real-time PCR (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR) market size was valued at USD 1353.1 million in 2023 and is forecast to a readjusted size of USD 1974.9 million by 2030 with a CAGR of 5.6% during review period.

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 Digital PCR (DPCR) and QPCR key players include Thermo Fisher, Roche, QIAGEN, Bio-rad, Agilent, etc. Global top five manufacturers hold a share about 75%.

North America is the largest market, with a share about 50%, followed by Europe and



China, both have a share about 40 percent.

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

The Global Info Research report includes an overview of the development of the Real-time PCR (qPCR) and Digital PCR (dPCR) industry chain, the market status of Medical Institutions (Digital Microfluidic Chip PCR, Droplet Digital PCR), Universities and Research Institutes (Digital Microfluidic Chip PCR, Droplet Digital PCR), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Real-time PCR (qPCR) and Digital PCR (dPCR).

Regionally, the report analyzes the Real-time PCR (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### **Key Features:**

The report presents comprehensive understanding of the Real-time PCR (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR) 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., Digital Microfluidic Chip PCR, Droplet Digital PCR).

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 (qPCR) and Digital PCR (dPCR) market.



Regional Analysis: The report involves examining the Real-time PCR (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR):

Company Analysis: Report covers individual Real-time PCR (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Medical Institutions, Universities and Research Institutes).

Technology Analysis: Report covers specific technologies relevant to Real-time PCR (qPCR) and Digital PCR (dPCR). It assesses the current state, advancements, and potential future developments in Real-time PCR (qPCR) and Digital PCR (dPCR) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Real-time PCR (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR) 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
	Digital Microfluidic Chip PCR
	Droplet Digital PCR
Market	segment by Application
	Medical Institutions
	Universities and Research Institutes
	Government
	Other
Market	segment by players, this report covers
	Thermo Fisher
	Bio-rad
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)

Global Real-time PCR (qPCR) and Digital PCR (dPCR) Market 2024 by Company, Regions, Type and Application, Fore...

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 (qPCR) and Digital PCR (dPCR) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Real-time PCR (qPCR) and Digital PCR (dPCR), with revenue, gross margin and global market share of Real-time PCR (qPCR) and Digital PCR (dPCR) from 2019 to 2024.

Chapter 3, the Real-time PCR (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR) 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 (qPCR) and Digital PCR (dPCR).

Chapter 13, to describe Real-time PCR (qPCR) and Digital PCR (dPCR) research findings and conclusion.



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