

## **Digital Polymerase Chain Reaction (dPCR) Technology: Global Markets**

Market Research Report | 2023-10-27 | 154 pages | BCC Research

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### **Report description:**

Description

Report Scope:

This research study analyzes the dPCR market, offers revenue forecasts, assesses future trends, and provides strategic recommendations for the success of market participants. The scope of the study is global. This report estimates market data for 2022 (the base year) and forecasts for 2023 through 2028. Figures for 2023 are estimated, except where actual results have been reported. This report includes forecasts by product type, technology, end-use and region from 2023 through 2028.

The report also analyzes leading and emerging competitors in the current worldwide dPCR market.

Report Includes:

- 26 data tables and 37 additional tables
- An overview and analysis of the global market for digital polymerase chain reaction (dPCR) technology
- Analyses of the global market trends, with historical market revenue data (sales figures) from 2020 to 2022, estimates for 2023, forecasts for 2024, and projections of compound annual growth rates (CAGRs) through 2028
- Estimates of the market size and revenue forecast for global dPCR market, and corresponding analysis of market shares by product type, technology, end-use and region
- In-depth information (facts and figures) pertaining to the major factors influencing the market, including drivers, restraints, opportunities and challenges
- A value chain analysis providing a systematic study of the key intermediaries, with emphasis on manufacturers, suppliers and major end users
- Discussion of the importance of ESG in the dPCR technology market, including consumer attitudes, an assessment of risks and

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opportunities, and the ESG practices followed by manufacturers and service providers

- Analysis of the U.S. patents on digital PCR, and emerging trends and technologies in the industry
- A look at the major vendors in the global market for dPCR, and an analysis of the industry structure, including market shares and recent M&A activity
- Identification of the major stakeholders and analysis of the competitive landscape based on recent developments, key financials and revenues by segment
- Company profiles of the leading market players

## Executive Summary

### Summary:

Digital PCR (dPCR) is the fastest-growing PCR technology. Although the underlying reaction chemistry shares many similarities with real-time PCR (qPCR), dPCR offers distinct advantages and complexities. Prized for the highly precise standard curve-free absolute quantification, dPCR is fast becoming a mainstream technique in all laboratories, from academia to biotech and pharma to the clinical diagnostic industry.

The entry of well-established PCR vendors Roche (August 2022) and Qiagen (September 2020) into the dPCR space underscores the dynamic nature and potential of the dPCR market. The participation of these industry leaders is poised to intensify investment in refining the dPCR science for use in molecular testing applications such as detecting pathogens and mutations that lead to diseases. Also, the increasing investment and focus on dPCR technology will boost customer engagement and interest. In the coming years, dPCR technology is set to expand considerably into clinical research and molecular diagnostics.

The global dPCR technology market reached \$REDACTED million in 2022. This market is expected to reach \$REDACTED million through 2028, growing at a CAGR of REDACTED% from 2023 through 2028. dPCR technology should grow significantly during the forecast period due to increased genomic research efforts by academic researchers and pharmaceutical and biotechnology companies, new product technologies and innovations and the growing use of dPCR assays for clinical diagnostics, drug discovery and development applications. New product launches are expected to expand applications considerably.

Clinical diagnostics should grow the fastest among the dPCR end-use segments, reaching \$REDACTED million through 2028. Key growth factors in this market include the development of new diagnostic assay and sample-preparation technologies to complement dPCR. The end-use segment applied markets should register strong growth over the forecast period due to the recent development and launch of dPCR assays for the agriculture, food and environmental markets, which should grow as well during the forecast period.

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