+357 96 030922
info@marketpublishers.com

Europe Digital PCR Market By Type (Droplet Digital PCR, Chip-based Digital PCR, Others), By Product (Instruments, Reagents & Consumables), By Indication (Infectious Diseases, Oncology, Genetic Disorders, Others), By End User (Hospitals & Clinics, Pharmaceutical & Biotechnology Industries, Clinical Laboratories, Academic & Research Organizations), By Country, Competition, Forecast and Opportunities, 2020-2030F

https://marketpublishers.com/r/E3A1CA3CC048EN.html
Date: April 2025
Pages: 122
Price: US$ 4,000.00 (Single User License)
ID: E3A1CA3CC048EN

Abstracts

Market Overview

The Europe Digital PCR (dPCR) Market was valued at USD 179.35 million in 2024 and is projected to reach USD 413.45 million by 2030, growing at a CAGR of 14.91%. The market is gaining momentum due to its superior accuracy, sensitivity, and quantification capabilities compared to traditional PCR methods, making it ideal for clinical diagnostics, oncology, infectious disease monitoring, and genetic research. The shift toward personalized medicine and early disease detection is driving adoption across hospitals, research institutes, and diagnostic labs. Supportive government funding and academic collaborations further accelerate the market's growth. Technological advancements, such as automated and integrated platforms, microfluidics, and the integration with next-generation sequencing (NGS), are enhancing the efficiency and versatility of dPCR. Increasing use in applications like non-invasive prenatal testing, liquid biopsies, and rare mutation detection is expanding its role in healthcare. However, high costs, limited expertise, and complex data interpretation remain key barriers, especially for smaller labs and emerging regions.

+357 96 030922
info@marketpublishers.com

Key Market Drivers

Increasing Prevalence of Infectious Diseases and Genetic Disorders

The Europe Digital PCR Market is strongly driven by the rising prevalence of infectious diseases and genetic disorders. dPCR's ability to detect low levels of pathogens and genetic mutations with high precision makes it an essential tool for early-stage diagnostics. In infectious disease applications, dPCR enables accurate detection of bacteria and viruses even in trace amounts, significantly improving the reliability of diagnostic outcomes. This capability is crucial for managing emerging infectious threats and controlling outbreaks. Similarly, for genetic disorders such as cancer, cystic fibrosis, and sickle cell anemia, dPCR supports early diagnosis and detailed genetic profiling, enabling clinicians to formulate personalized treatment plans. The growing awareness of early genetic screening, coupled with the need for precision diagnostics, is driving the demand for dPCR in clinical and research settings across Europe. As healthcare providers increasingly prioritize accurate and early detection, the use of dPCR is expected to rise steadily throughout the forecast period.

Key Market Challenges

High Cost of Digital PCR Systems

The high cost associated with digital PCR systems presents a major challenge to broader market adoption in Europe. These advanced systems require substantial capital investment, making them less accessible for smaller or budget-constrained laboratories. Beyond the initial acquisition cost, ongoing expenses related to system maintenance, consumables, and specialized staff training further elevate the financial burden. The complexity of dPCR systems necessitates skilled operators, adding to operational costs and limiting integration into routine workflows. Additionally, healthcare facilities often opt for more affordable alternatives like traditional PCR or qPCR when cost-effectiveness is a key consideration. These financial constraints, especially in regions with limited healthcare funding, hinder the widespread implementation of dPCR technologies. Lowering costs and improving affordability through innovations or subsidies will be critical to unlocking broader access and sustaining long-term market growth.

Key Market Trends

Rise in Liquid Biopsy Applications

+357 96 030922
info@marketpublishers.com

The expanding use of liquid biopsy is emerging as a key trend propelling the Europe Digital PCR Market. Liquid biopsy offers a minimally invasive diagnostic alternative to traditional tissue biopsies by analyzing genetic material such as ctDNA or RNA from blood or bodily fluids. This approach enables early disease detection, real-time monitoring of treatment response, and identification of recurrence, particularly in oncology. Digital PCR is a preferred technology for liquid biopsies due to its exceptional sensitivity and ability to quantify low-abundance biomarkers. Its accuracy in detecting mutations even at very low concentrations supports timely intervention and improved patient outcomes. The increasing adoption of non-invasive diagnostic techniques, driven by patient comfort and reduced risk, is fostering the integration of dPCR in clinical workflows. As demand for personalized and less invasive diagnostics continues to rise, digital PCR is poised to play a central role in advancing liquid biopsy applications across Europe.

Key Market Players

QIAGEN N.V.

Stilla Technologies

Thermo Fisher Scientific

Merck KGaA

F. Hoffmann-La Roche AG

Bio-Rad Laboratories

Takara Bio Europe AB

Becton Dickinson GmbH

Abbott Laboratories GmbH

BIOM?RIEUX

Report Scope:

+357 96 030922
info@marketpublishers.com

In this report, the Europe Digital PCR Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Europe Digital PCR Market, By Type:

Droplet Digital PCR

Chip-based Digital PCR

Others

Europe Digital PCR Market, By Product:

Instruments

Reagents & Consumables

Europe Digital PCR Market, By Indication:

Infectious Diseases

Oncology

Genetic Disorders

Others

Europe Digital PCR Market, By End User:

Hospitals & Clinics

Pharmaceutical & Biotechnology Industries

Clinical Laboratories

Academic & Research Organizations

Europe Digital PCR Market, By Country:

+357 96 030922
info@marketpublishers.com

Germany

France

United Kingdom

Italy

Spain

Russia

Poland

Bulgaria

Finland

Portugal

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Europe Digital PCR Market.

Available Customizations:

Europe Digital PCR Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

6. EUROPE: COUNTRY ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Europe Digital PCR Market By Type (Droplet Digital PCR, Chip-based Digital PCR, Others), By Product (Instruments, Reagents & Consumables), By Indication (Infectious Diseases, Oncology, Genetic Disorders, Others), By End User (Hospitals & Clinics, Pharmaceutical & Biotechnology Industries, Clinical Laboratories, Academic & Research Organizations), By Country, Competition, Forecast and Opportunities, 2020-2030F

Product link: https://marketpublishers.com/r/E3A1CA3CC048EN.html

Price: US$ 4,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/E3A1CA3CC048EN.html