

Digital PCR Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented by Type (Droplet Digital PCR, Chip Based Digital PCR, Others), By Component (Systems, Kits and Assays, Reagents and Consumables), By Application (Oncology, Infectious Diseases, Rare Diseases, Reproductive Genetics, Others), By End User (Academic and Research Institutions, Biotechnology & Pharmaceutical Companies, Hospitals and Clinics, Others), By Region and Competition

<https://marketpublishers.com/r/D98A49BBDFD9EN.html>

Date: July 2023

Pages: 113

Price: US\$ 4,900.00 (Single User License)

ID: D98A49BBDFD9EN

Abstracts

Global Digital PCR Market is anticipated to witness a growth of steady CAGR in the forecast period 2024-2028. This can be ascribed to the increasing prevalence of various types of cancer like blood cancer, lung cancer, and brain tumor and the surge in demand for healthcare expenditure of people in developing countries. Besides, the growing demand for early and accurate diagnosis of various diseases across the globe has significantly increased the demand for molecular diagnostics, thereby supporting the growth of the global digital PCR market. Additionally, advancements in digital PCR technology and an increasing number of product launches increased the demand for the digital PCR market for the forecast period. The demand in research and development activities for developing advancement in PCR technology and rising collaboration agreements between companies for the development of digital PCR boost the global digital PCR market for the forecast period. According to World Health Organization (WHO), in December 2021, 273 million cases were diagnosed, and approximately 5.3

million deaths have been reported globally due to COVID-19.

Rising Adoption of Digital PCR Devices

Despite the rising incidence of infectious diseases, cancer, and genetic disorders across the globe and the increasing prevalence of these conditions in emerging countries, the adoption of digital PCR techniques is limited in urban regions. However, initiatives taken by leading players to enhance awareness about digital PCR availability, increasing investments and initiatives by government organizations for the diagnosis of different chronic diseases, and the establishment of a strong distribution network will boost the overall market growth in the forecast period. Additionally, advancement in Digital PCR technology, along with droplet, and chip-based PCR, among others, is expected to create new prospects for market growth in the coming years. Besides, the increasing adoption of Digital PCR in laboratories for the detection of genetic mutation detection of pathogens, among others, is expected to support market growth in the coming years. Furthermore, growing product applications in food microbiology and veterinary medicine will propel the digital PCR market in the forecast period. Moreover, the sudden outbreak and spread of the COVID-19 pandemic and the widespread use of different types of PCR devices in COVID-19 testing have created new prospects for the growth of different types of PCR markets, including the digital PCR market. In 2022, a total of 96,091,120 COVID-19 Cases were counted in the United States.

Rising Fund for Research and Development Activities in the Digital PCR

Due to the COVID19 pandemic, an unexpected demand was increased for Digital PCR in the healthcare and research institute sector. The pandemic has played an important role in enhancing the digital PCR market growth. The prevalence of infectious diseases like cancer has also increased, which accounts for the need for the diagnosis and detection of the disease. For this reason, funding in the research and development sector has also increased. Increased funding for R&D activities that include the use of digital PCR and Chip-based PCR for different purposes is expected to increase its use and open up new opportunities for global market expansion during the forecast period.

Market Segmentation

Global Digital PCR market is segmented into type, component, application, end-user, and by region. Based on type, the market can be segmented into Droplet Digital PCR, Chip Based Digital PCR, and Others. Based on components, the market can be segmented into Systems, Kits and Assays, Reagents, and Consumables. Based on

application, the market can be differentiated into Oncology, Infectious Diseases, Rare Diseases, Reproductive Genetics, and Others. Based on end-user, the market can be segmented into Academic and Research Institutions, Biotechnology & Pharmaceutical Companies, Hospitals and Clinics, and Others. Regionally, North America dominated the market among Asia Pacific, Europe, Middle East & Africa, and South America. In terms of country, the United States region is dominating the overall globe in the digital PCR market. According to Worldometer, as of December 26, 2022, around 102,236,095 confirmed COVID-19 cases have been reported in the United States. This can be ascribed to the increasing cost-effective COVID-19 testing technology in the healthcare sector.

Market Players

Bio-Rad Laboratories, Inc., Fluidigm Corporation, F. Hoffmann-La Roche AG, Merck KGaA, QIAGEN N.V., Thermo Fisher Scientific Inc., Genetron Holdings Limited, Naveris, Inc., SAGA Diagnostics, Precigenome LLC are some of the leading players operating in the Global Digital PCR Market.

Report Scope:

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

Digital PCR Market, By Type:

Digital Droplet PCR

Chip Based on Digital PCR

Others

Digital PCR Market, By Component:

Systems

Kits and Assays

Reagents

Consumables

Digital PCR Market, By Application:

Oncology

Infectious Diseases

Rare Diseases

Reproductive Genetics

Others

Digital PCR Market, By End User:

Academic and Research Institutions

Biotechnology & Pharmaceutical Companies

Hospitals and Clinics

Others

Digital PCR Market, By Region:

North America

United States

Mexico

Canada

Europe

France

Germany

United Kingdom

Italy

Spain

Asia Pacific

China

India

South Korea

Japan

Australia

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Egypt

Turkey

Competitive Landscape

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

Available Customizations:

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).

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