

# Digital Polymerase Chain Reaction (PCR) Technology: Global Markets

<https://marketpublishers.com/r/D27EA273DA0EN.html>

Date: May 2018

Pages: 77

Price: US\$ 1,250.00 (Single User License)

ID: D27EA273DA0EN

## Abstracts

### Report Scope:

While this report will discuss applicable complementary technologies, it will not go into the market specifics of these complementary technologies. Of particular note are the majority of reagents used for PCR, as there is significant overlap between the reagents used for digital PCR and those used for real-time PCR. This report will focus on the equipment used for digital PCR, reagents specific to the technology, and any particular applications. There will be significant discussion of the end users, including academia, industry, clinical laboratories, and other users.

### Report Includes:

14 data tables and 7 additional tables

An overview of the global market for digital polymerase chain reaction (PCR) technology

Analyses of global market trends, with data from 2016, and estimates for 2017, and projections of compound annual growth rates (CAGRs) through 2022

Discussion of key manufacturers, suppliers, users, and a variety of factors influencing demand

Relevant Patent analyses

Comprehensive company profiles of major players in the market, including

Abbott Laboratories, Celula Inc., Fluidigm Corp., IntegenX Inc. and Stilla Technologies

## Contents

### **CHAPTER 1 INTRODUCTION**

Study Goals and Objectives  
Reasons for Doing This Study  
Scope of Report  
Information Sources  
Methodology  
Regional Breakdown  
Analyst's Credentials  
Related BCC Research Reports

### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

Industry Trends  
The Marriage of Digital PCR and DNA Sequencing  
Expansion into Food and Agriculture  
A Molecular Counting Device  
Another Weapon in the Cancer Fight  
Intellectual Property Land Rush

### **CHAPTER 3 OVERVIEW OF DIGITAL PCR TECHNOLOGY**

History of the Technology  
How the Technology Works  
Variations on the Technology  
Uses  
Oncology

#### **HIV**

Next-generation Sequencing  
Infectious Disease  
Noninvasive Diagnostics  
Small Nucleotide Polymorphism Detection  
Single-cell PCR  
Summary  
Sectors

Pharmaceutical/Biotech and Clinical Development  
Clinical Diagnostics  
Academia  
Forensics  
Food and Agriculture  
Environmental Science  
Industry Structure  
Equipment Manufacturers  
Consumable Manufacturers

## **CHAPTER 4 MARKET BREAKDOWN BY TECHNOLOGY TYPE**

Consumables and Reagents  
Equipment  
Company Prospects  
Bio-Rad  
Fluidigm  
Life Technologies  
Stilla Technologies

## **CHAPTER 5 PATENT REVIEW/NEW DEVELOPMENTS**

Key Patents  
Sandwich Assays in Droplets; Digital Analyte Analysis; and Methods and Compositions for Nucleic Acid Analysis  
Methods and Devices for Digital PCR  
Important Patent Applications  
Digital PCR Systems and Methods Using Digital Microfluidics  
Quantitating High Titer Samples by Digital PCR  
Maternal Plasma Transcriptome Analysis by Massively Parallel RNA Sequencing  
Unitary Biochip Providing Sample-in to Results-out Processing and Methods of Manufacture  
Single Cell Bar-Coding for Antibody Discovery  
Methods for Personalizing Cancer Treatment  
Internal Amplification Control  
Compositions for Quantitative and/or Semiquantitative Mutation Detection Methods  
New Patents  
Research and Development  
Academia

Detection of Human Papillomavirus in Sentinel Lymph Nodes Using Digital PCR

Detection of GMO Organisms

A Rapid, Accurate and Cost-Effective Method for Identification of Biomarker FcyRIIIa-F158V Genotypes

Digital PCR to Time Yeast Cell Development

Use of Droplet Digital PCR for Estimation of Fish Abundance and Biomass in Environmental DNA Surveys

Digital PCR for the Quantification of Fecal Bacteria in the Water Supply

## **CHAPTER 6 REGULATORY ANALYSIS**

Clinical Diagnostics

Laboratory-developed Tests

U.S. Food and Drug Administration

Centers for Medicare and Medicaid Services

Health Canada

Stance on LDTs for Europe, Australia and China

European Medicines Agency

Therapeutic Goods Administration (Australia)

China Food and Drug Administration

Japan Pharmaceutical and Medical Device Agency

Pharmaceutical Development

Food and Agriculture Regulation

Environmental Regulation

Forensic Regulation

## **CHAPTER 7 COMPANY PROFILES**

**ABBOTT LABORATORIES**

**ADAPTIVE BIOTECHNOLOGIES CORP.**

**ANDE CORP**

**AMBERGEN**

**BIOLOGICAL DYNAMICS INC.**

**BIO-RAD LABORATORIES INC.**

**BOREAL GENOMICS CORP.**

**CAREDX INC.**

**CARIS LIFE SCIENCES, INC.**

**CELULA INC.**

**EXACT SCIENCES CORP.**

**FLUIDIGM CORP.**

**GENETIC TECHNOLOGIES LTD.**

**INTEGEN X, INC.**

**LABORATORY CORP. OF AMERICA (LABCORP)**

**LUMINEX CORP.**

**NATERA INC.**

**NUGEN TECHNOLOGIES INC.**

**PACIFIC BIOSCIENCES OF CALIFORNIA INC.**

Population Bio Inc

**RARECELLS SAS**

**ROCHE DIAGNOSTICS OPERATIONS, INC.**

**STILLA TECHNOLOGIES**

**SYSMEX INOSTICS**

**THERMO FISHER SCIENTIFIC**

**TOCAGEN, INC.**

**VIOMICS, INC.**

## List Of Tables

### LIST OF TABLES

Summary Table: Global Market for Digital PCR, by Type, Through 2022

Table 1: Overview of Digital PCR Technology

Table 2: List of Consumables Used in Digital Polymerase Chain Reaction (PCR) Technology

Table 3: Global Market for Digital PCR Industry for Consumables, by End User Industry

Table 4: Global Market for Digital PCR Industry Consumables for Pharmaceutical Research and Development, Through 2022

Table 5: Global Market for Digital PCR Industry Consumables for Noninfectious Disease Clinical Diagnostics, Through 2022

Table 6: Global Market for Digital PCR Industry Consumables for Academia, Through 2022

Table 7: Global Market for Digital PCR for Infectious Disease, Through 2022

Table 8: Global Market for Digital PCR for Next-generation Sequencing, Through 2022

Table 9: Global Market for Digital PCR for Other Molecular Biology Uses, Through 2022

Table 10: List of Equipment Used in Digital PCR Technology

Table 11: Global Market for Digital PCR Equipment for Pharmaceutical Research and Development, Through 2022

Table 12: Global Market for Digital PCR Equipment for Pharmaceutical Research and Development, Through 2022

Table 13: Global Market for Digital PCR Equipment for Noninfectious Disease Clinical Diagnostics, Through 2022

Table 14: Global Market for Digital PCR Equipment for Academia, Through 2022

Table 15: Global Market for Digital PCR Equipment for Infectious Disease, Through 2022

Table 16: Global Market for Digital PCR Equipment for Next-generation Sequencing, Through 2022

Table 17: Global Market for Digital PCR Equipment for Other Molecular Biology Uses, Through 2022

Table 18: Key Patents Issued in the Digital PCR Technology Industry, May 2016-April 2017

Table 19: Key Patent Applications in the Digital PCR Technology Industry, August 2014-January 2017

Table 20: New Patents in the Digital PCR Technology Industry, April 2014-April 2017



## List Of Figures

### LIST OF FIGURES

Summary Figure: Global Market for Digital PCR, by Type, 2016-2022

## I would like to order

Product name: Digital Polymerase Chain Reaction (PCR) Technology: Global Markets

Product link: <https://marketpublishers.com/r/D27EA273DA0EN.html>

Price: US\$ 1,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/D27EA273DA0EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970