

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.
PACIFIC BIOSCIENCES OF CALIFORNIA INC. Population Bio Inc
Population Bio Inc
Population Bio Inc RARECELLS SAS

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

Payment

First name: Last name:

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:

Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

& Conditions at https://marketpublishers.com/docs/terms.html

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms