

Microfluidics – A Global Market Overview

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Abstracts

REPORT SYNOPSIS

Microfluidics can be described as the manipulation and analysis of minute volumes of fluid and has evolved over the past three decades into a powerful technology with a number of established and relevant applications within the biological sciences. The research and development conducted over the years in this unique technology has yielded an abundance of techniques that enhance biological assays through the miniaturization of existing methods, in addition to developing innovative analytical approaches.

Point of Care (PoC) Diagnostics is projected the fastest growing application area of microfluidics with a CAGR of 19.2% and is also estimated the largest consumer of microfluidics estimated at US\$1.6 billion in 2017 and expected to touch US\$4.5 billion in 2023.

Research Findings & Coverage

Global market for Microfluidics analyzed in this report with respect to microfluidic components, material type, major applications and key end-use sectors

The report exclusively analyzes each component, material type, application area and end-use sector microfluidics by major geographic region

Organ/Body-on-a-Chip Based on Microfluidic Technology the Next Big Thing in Drug Discovery?

μ PADs and μ TAS: Innovative Microfluidic Tools for the Future

Microfluidics Enters the Arena of Cosmetics

Microfluidics Shifts from Clean Rooms to Makerspaces

Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments

Major companies profiled – 31

The industry guide includes the contact details for 594 companies

PRODUCT OUTLINE

The report analyzes the market for the components of Microfluidics including:

Microfluidic Chips

Microneedles

Micropumps

Following material types of Microfluidics are analyzed in the study:

Glass

Polymers

Silicon

Others

The study explores the market for applications of Microfluidics comprise the following:

Agro-Food Testing

Drug Delivery

Drug Discovery

Life Science Research

Point-of-Care (PoC) Diagnostics

End-use sectors studied in the report include the following:

Academic & Research Institutes

Diagnostic Laboratories

Homecare Settings

Hospitals

Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Microfluidics market for the period 2014-2023 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2017 through 2023

Geographic Coverage

North America (United States, Canada and Mexico)

Europe (France, Germany, Italy, United Kingdom and Rest of Europe)

Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)

Rest of World

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- Bartels Mikrotechnik GmbH (Germany)
- Becton, Dickinson And Company (United States)
- Bio-Rad Laboratories, Inc. (United States)
- Blacktrace Holdings Ltd. (United Kingdom)
- Danaher Corporation (United States)
- Elveflow (France)
- F. Hoffmann-La Roche Ltd. (Switzerland)
- Fluidigm Corporation (United States)
- Hewlett Packard Enterprise Development LP (United States)
- IDEX Health & Science LLC (United States)
- Illumina, Inc. (United States)
- Johnson & Johnson (United States)
- Microfluidic Chipshop GmbH (Germany)
- Micronics, Inc. (United States)
- Micronit Microtechnologies B.V. (The Netherlands)
- Perkinelmer, Inc. (United States)
- Qiagen NV (The Netherlands)

Shimadzu Corporation (Japan)
Siemens Healthcare GmbH (Germany)
Thermo Fisher Scientific Inc. (United States)
uFluidix (Canada)

4. KEY BUSINESS TRENDS

SCIEX's OptiFlow Quant Solution for BioPharma Peptide Quantitation Introduced
Shimadzu Corp's Nexera Mikros Launched
IDEX Health & Science Acquires thinXXS Microtechnology
Siemens Healthineers Launches Advanced Diagnostics Analyzers
Thermo Fisher Develops Solution Based on Ion Torrent Technology
Fluidigm Corp and Baylor Genetics in a Licensing Alliance
Fluidigm Collaborates with Ascendas Genomics
Fluidigm's Immuno-Oncology Gene Expression Assay for Translational and Clinical Research Launched
Dolomite Microfluidics Introduces its Telos Droplet System
Emulate's Organ-on-a-Chip Technology Employed by FDA for Toxicology Testing
Becton, Dickinson's Grants Early Access to BD Resolve Single-Cell Analysis Platform
Bio-Rad Laboratories Acquires RainDance Technologies
New Medium-Cell High-Throughput Integrated Fluidic Circuit Launched by Fluidigm
RainDance Technologies Introduces RainDrop Plus Digital PCR System
Fluidigm and GenomOncology in an Alliance
Danaher Acquires Cepheid
RainDance Technologies Unveils its Picodroplet Platform
QIAGEN's QIA Scout for Single-Cell Isolation Introduced
Emulate in Research Partnerships
Microfluidic Majors and Two Universities Team Up
Fluidigm's San Francisco and Singapore Facilities Granted ISO 13485 and ISO 9001 Certification
Thermo Fisher Scientific and 908 Devices Present Novel Separation Technology
Thermo Fisher Scientific Introduces New Instruments
Fluidigm's Single-Cell TCR Sequencing on the C1 System Introduced
New Integrated Fluidic Circuits for Single-Cell Genomics on the C1 Launched by Fluidigm
Merger of Micronit and iX-factory Completed
Dolomite's 3D Fluidics Printer Makes its Debut
QIAGEN Forms Joint Marketing and Development Alliance with 10x Genomics
10x Genomics and Illumina in a Joint Marketing Collaboration

Agilent and 10x Genomics in a Partnership
BD's New Next Generation Sequencing Library Prep System Launched
Dolomite Launches High Speed Imaging for Microfluidics
Agilent's Agreement with PerkinElmer Extended
RainDance Technologies in Collaboration with Blood Systems Research Institute
Dolomite introduces its μ Encapsulator 1 System
Dolomite Launches Single Cell RNA-Seq Chip
SCIEX Introduces New M3 MicroLC System
Fluidigm Releases High Throughput Single-Cell mRNA Sequencing Workflow for the C1
CiDRA Precision Services Taken Over by IDEX Corp
Fluidigm in a Strategic Alliance with OpGen
Emulate and Janssen Biotech in a Strategic Partnership
Fluidigm Debuts its Callisto System
Fluidigm C1 System Equipped with Single-Cell Epigenetics
Dolomite Showcases Flow Chemistry Systems at 250th ACS Exposition
Abbott's i-STAT Total β -hCG Test Receives FDA Clearance
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##Agilent Technologies, Inc. (United States)

##Becton, Dickinson and Company (United States)

##Bio-Rad Laboratories, Inc. (United States)

##RainDance Technologies, Inc. (United States)

##Danaher Corporation (United States)

##Cepheid (United States)

##SCIEX (United States)

##Fluidigm Corporation (United States)

##IDEX Health & Science LLC (United States)
##Illumina, Inc. (United States)
##Johnson & Johnson (United States)
##Laboratory Corporation of America Holdings (United States)
##Micronics, Inc. (United States)
##PerkinElmer, Inc. (United States)
##Positiveid Corporation (United States)
##Rave N.P., Inc. (United States)
##Thermo Fisher Scientific Inc. (United States)
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##Biofluidix GmbH (Germany)

##Blacktrace Holdings Ltd. (United Kingdom)

##Dolomite Microfluidics (United Kingdom)

##Elveflow (France)

##F. Hoffmann-La Roche Ltd. (Switzerland)

##Roche Diagnostics (Switzerland)

##Microfluidic Chipshop GmbH (Germany)

##Micronit Microtechnologies B.V. (The Netherlands)

##Qiagen NV (The Netherlands)

##Siemens Healthcare GmbH (Germany)

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