



Market Analysis

Market Analysis Report on Microfluidics & Nanofluidics

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Theme: An Approach to Better Understand the Micro Mechanics of Fluids

MARKET ANALYSIS REPORT:

The report "Microfluidics Market by application (genomics, proteomics, capillary electrophoresis, IVD (POC, clinical diagnostics), drug delivery, microreactor, lab tests), component (chips, pump, needle), material (polymer, glass, silicon) - Global Forecast to 2023", The microfluidics market is expected to reach USD 27.91 Billion by 2023 from an estimated USD 10.06 Billion in 2019, at a CAGR of 22.6%. The growing use of polymers is expected to lower the price of microfluidic products. In addition to this, growing investments, favourable regulatory policies, and growth in healthcare and biotechnology industries in emerging Asian markets are expected to provide potential growth opportunities for players operating in the microfluidics market.

The microfluidics advertises gives viable use of little liquid volumes for outline of frameworks and development of solutions. The worldwide human services innovations advertise is assessed to come to \$53 billion by 2014 at a CAGR of 16%. Microfluidics is an up growing innovation with high agreeableness in medicinal services applications. The key driver for the microfluidics advertises is the "great (or rising) request in purpose of-mind (POC) and in-vitro diagnostics.

For example, according to World Health Organization (WHO), 95 million people received HIV testing in low and middle-income countries in 2010. Application of microfluidics in HIV testing at POCs is expected to cut cost, thereby increase the demand for the technology.

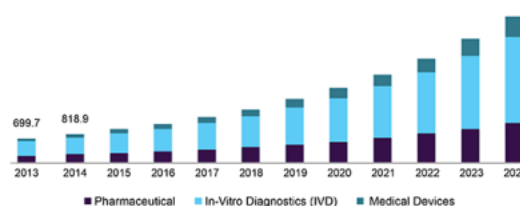
A few standard models are being made for the execution of Microfluidics Conferences in medicinal services. The administrative devices devour excessively time for the endorsement procedure of microfluidics device. Another test for the development of the market is the usage of rising microfluidics innovation in existing applications to overcome this challenge; companies are investing in research and development.

Enter organizations profiled in this report are Abbott Laboratories, Inc., PerkinElmer, Inc., Cepheid, Inc., Rain dance Technologies, Becton, Dickinson, Bio-Rad Laboratories, Inc., Johnson and Johnson, Life Technologies Corporation, Microfluidic Chip shop GMBH and Siemens Healthcare.

Microfluidics International Corporation, the manufacturer of Micro fluidizer high shear fluid processors, is a leader in the design and production of laboratory and commercial processing equipment used in the production of micro- and Nano-scale materials for pharmaceutical, biotech, chemical and diverse industries. Micro fluidizer technology enables some of the world's top companies to create superior products, develop intellectual property, improve process efficiency and capitalize on new revenue streams. We set the standard for Nano emulsion and nanoparticle applications.

Since 2011, Microfluidics has been a member of the IDEX Corporation family of companies. IDEX is a global leader in highly engineered systems and components. We are part of the IDEX Material Processing Technologies group, a collection of companies that manufacture a range of technologically superior processing equipment for a wide variety of materials. All process equipment, solutions and support provided by this group are optimized to meet the unique needs of each and every customer.

North America Microfluidics Market Size, By Application, 2013 - 2024 (USD Million)



Microfluidics Market Share Insights

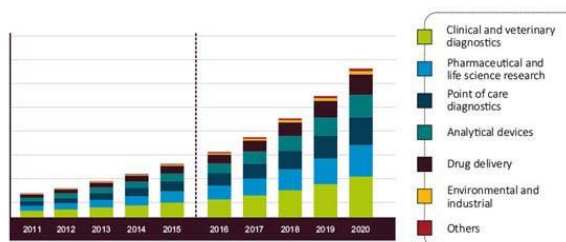
Some key industry contributors are Illumina, Inc., Agilent Technologies, Caliper Life Sciences (acquired by perkinelmer, Inc.), Cepheid, Danaher Corporation, Life Technologies Corporation (acquired by Thermo Fisher Scientific, Inc.), Bio-Rad Laboratories, Inc., Abbott Laboratories, F. Hoffmann-La Roche Ltd, and Fluidigm Corporation.

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Companies are introducing new products to strengthen their market position. For instance, in february 2016, Illumina, Inc. Launched neoprep, an automatic DNA and RNA sample preparation platform.

Through the neoprep microfluidics cartridge, 16 samples are prepared at a time. Innovation and research & development by the market players in the microfluidics segment are expected to propel the market growth in the coming years.

GLOBAL MICROFLUIDIC DEVICES MARKET BREAKDOWN BY APPLICATION, \$M (2011 – 2020)



GLOBAL UNIVERSITIES AND INSTITUTES:

Global Universities Associated with Microfluidics

EUROPE

- ETH Zurich
- Swansea University
- University of Manchester
- Imperial College London
- Cranfield University
- University of Lincoln
- Universitat Rivera
- Virgilio - URV
- Aberdeen University
- Grenoble Institute of Technology
- UCL (University College London)
- University of Strathclyde
- University of Cambridge
- University of East London
- University of Leeds

ASIA

- University of Tokyo
- National University of Singapore
- Tsinghua University
- University of Bolton
- Manipal International University
- Amity University
- Beijing Institute of Technology
- Ted University
- Rafik Hariri University
- Emirates Aviation University
- South Ural State University
- Liaoning University of Technology
- University Kuala Lumpur

USA

- Massachusetts Institute of Technology
- University of Minnesota
- University of Michigan
- Stanford University
- Iowa State University
- University of Maryland
- University of Wisconsin Madison
- Penn State University
- University of California
- University of Texas
- University of Wisconsin

Association Associated with Microfluidics

EUROPE

- European Federation of National Engineering Associations
- European Association for Fluid Dynamics
- Association Francaise De Mecanique
- Institution of Engineers of Ireland
- Institute of Physics and Engineering In Medicine
- Russian Union of Engineers
- Ordem Dos Engenheiros
- Royal Academy of Engineering
- Association for Project Management
- Society of Engineers
- British Nuclear Energy Society
- Women's Engineering Society
- Society of Professional Engineers
- Institution of Mechanical Engineers
- Technical Chamber of Greece
- Union of Chambers of Turkish Engineers
- Institute of Healthcare Engineering
- Institute of Physics

USA

- Alpha Pi Mu
- Alpha Omega Epsilon
- American Association of Engineering Societies
- American Indian Science and Engineering Society
- American Institute of Chemical Engineers
- American Nuclear Society
- American Society for Engineering Education
- American Society of Agricultural and Biological Engineers
- American Society of Mechanical Engineers
- American Society of Naval Engineers
- Biomedical Engineering Society
- Institute of Biological Engineering
- The Institute of Industrial and Systems Engineers
- National Society of Black Engineers
- Society of Fire Protection Engineers
- Society of Naval Architects and Marine Engineers
- Society of Petroleum Engineers

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Conclusion:

Euro Microfluidics 2020 will bring together microfluidics scientists and Nano-system people to showcase the newest developments and discuss future directions in microfluidic technologies and their applications in complex systems, broadly defined.

The topics will be wide-ranging, including chemical synthesis, separations, advanced manufacturing approaches, energy and the environment, multiphase and colloidal systems, systems biology, synthetic biology, biophysics, organs-on-a-chip, and precision medicine. Some important microfluidics applications have been plotted so as to give a thought on how this new science can both assist and lift look into in fields like science and prescription.

In any case, there is a ton of space for enhancements so as to spread more microfluidics applications past research simply.

Reference:

<https://www.marketsandmarkets.com/PressReleases/microfluidics.asp>
<https://www.mordorintelligence.com/industry-reports/microfluidics-market>