

Microfluidics Market Size, Trends, Analysis, and Outlook By Product (Microfluidic-based devices, Microfluidic Components, Material), By Application (In-vitro Diagnostics, Clinical Diagnostics, Pharmaceutical & Life Science Research and Manufacturing, Therapeutics), By End User (Hospitals & Diagnostic Centers, Academic & Research Institutes, Pharmaceutical and biotechnology Companies), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Microfluidics market size is poised to register 13.36% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Microfluidics market across By Product (Microfluidic-based devices, Microfluidic Components, Material), By Application (In-vitro Diagnostics, Clinical Diagnostics, Pharmaceutical & Life Science Research and Manufacturing, Therapeutics), By End User (Hospitals & Diagnostic Centers, Academic & Research Institutes, Pharmaceutical and biotechnology Companies).

The Microfluidics Market is experiencing growth driven by the increasing applications of microfluidic technologies in healthcare diagnostics, life sciences research, drug discovery, and point-of-care testing. Microfluidics involves the manipulation and control of fluids and particles at the microscale using miniaturized channels, valves, and pumps, enabling precise and high-throughput analysis of biological samples and chemical reactions. Key trends shaping its future include the development of integrated

microfluidic systems and lab-on-a-chip devices for multiplexed and automated sample preparation, nucleic acid amplification, protein analysis, and cell culture, the adoption of microfluidic platforms for single-cell analysis, rare cell isolation, and personalized medicine applications, and the customization of microfluidics solutions for specific research domains, clinical workflows, and diagnostic assays. Additionally, factors such as the advancements in microfabrication and microfluidic chip design, the expansion of microfluidics manufacturing and foundry services, and the growing adoption of microfluidic technologies in emerging markets are expected to drive market growth in 2024 and beyond.

Microfluidics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Microfluidics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Microfluidics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Microfluidics industry.

Key market trends defining the global Microfluidics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Microfluidics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Microfluidics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Microfluidics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Microfluidics industry

Leading Microfluidics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Microfluidics companies.

Microfluidics Market Study- Strategic Analysis Review

The Microfluidics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Microfluidics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Microfluidics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Microfluidics Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Microfluidics Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Microfluidics market segments. Similarly, Strong end-user demand is encouraging Canadian Microfluidics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Microfluidics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Microfluidics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Microfluidics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Microfluidics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Microfluidics Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Microfluidics in Asia Pacific. In particular, China, India, and South East Asian Microfluidics markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews

with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Microfluidics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Microfluidics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Microfluidics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Microfluidics.

Microfluidics Market Company Profiles

The global Microfluidics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Abbott Laboratories, Agilent Technologies Inc, Beckton Dickinson and Company, Biom?rieux SA, Bio-Rad, Danaher Corporation, F. Hoffmann La-Roche Ltd, Fluidigm Corporation, Hologic, Illumina Inc, Perkin Elmer, Quidel Corporation, Thermofisher Scientific

Recent Microfluidics Market Developments

The global Microfluidics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Microfluidics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product Type

Microfluidic-based devices

Microfluidic Components

-Microfluidic Chips

-Flow & Pressure Sensors

-Flow & Pressure Controllers

-Microfluidic Valves

-Micropumps

-Microneedles

-Others

Material

-Silicon

-Polymer

-Glass

By Application

In-vitro Diagnostics

Clinical Diagnostics

-Point-of-care Testing

-Veterinary Diagnostics

Pharmaceutical & Life Science Research and Manufacturing

-Lab Analytics

-Microdispensing

-Microreaction

Therapeutics

-Drug delivery

-Wearable devices

By End User

Hospitals & Diagnostic Centers

Academic & Research Institutes

Pharmaceutical and biotechnology Companies

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Abbott Laboratories

Agilent Technologies Inc

Beckton Dickinson and Company

Biom?rieux SA

Bio-Rad

Danaher Corporation

F. Hoffmann La-Roche Ltd

Fluidigm Corporation

Hologic

Illumina Inc

Perkin Elmer

Quidel Corporation

ThermoFisher Scientific

Formats Available: Excel, PDF, and PPT

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- Microfluidic Valves
- Micropumps
- Microneedles
- Others

Material

- Silicon
- Polymer
- Glass

By Application

In-vitro Diagnostics

Clinical Diagnostics

- Point-of-care Testing

- Veterinary Diagnostics

Pharmaceutical & Life Science Research and Manufacturing

- Lab Analytics
- Microdispensing
- Microreaction

Therapeutics

- Drug delivery
- Wearable devices

By End User

Hospitals & Diagnostic Centers

Academic & Research Institutes

Pharmaceutical and biotechnology Companies

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 - Bio-Rad
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 - F. Hoffmann La-Roche Ltd
 - Fluidigm Corporation
 - Hologic
 - Illumina Inc
 - Perkin Elmer
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