

Microfluidic Devices Market Size, Trends, Analysis, and Outlook By Product (Microfluidic-based Devices, Microfluidic Components), By Application (In-vitro Diagnostics, Pharmaceutical & Life Science Research and Manufacturing, Therapeutics), By End-User (Hospitals & Diagnostic Centers, Academic & Research Institutes, Pharmaceutical & Biotechnology Companies), by Country, Segment, and Companies, 2024-2032

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Abstracts

The global Microfluidic Devices market size is poised to register 13.1% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Microfluidic Devices market across By Product (Microfluidic-based Devices, Microfluidic Components), By Application (In-vitro Diagnostics, Pharmaceutical & Life Science Research and Manufacturing, Therapeutics), By End-User (Hospitals & Diagnostic Centers, Academic & Research Institutes, Pharmaceutical & Biotechnology Companies)

The microfluidic devices market is experiencing significant growth driven by the expanding applications of microfluidics in biomedical research, point-of-care diagnostics, and drug discovery, as well as advancements in microfabrication techniques, lab-on-a-chip platforms, and miniaturized analytical instruments that enable high-throughput screening, single-cell analysis, and multiplexed assays with minimal sample volumes and reagent consumption. With advancements in microfluidic device design, integration capabilities, and automation solutions, there is a rising opportunity for microfluidic device manufacturers to offer customized solutions that meet the diverse

needs and performance requirements of academic laboratories, biotechnology companies, and clinical diagnostics laboratories while enabling rapid prototyping, cost-effectiveness, and scalability for translational research and commercialization. Further, the expanding applications of microfluidic devices in personalized medicine, liquid biopsy, and infectious disease surveillance are driving market expansion further.

Microfluidic Devices 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 Microfluidic Devices market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Microfluidic Devices 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 Microfluidic Devices industry.

Key market trends defining the global Microfluidic Devices 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.

Microfluidic Devices Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Microfluidic Devices 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 Microfluidic Devices companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Microfluidic Devices industry

Leading Microfluidic Devices 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 Microfluidic Devices companies.

Microfluidic Devices Market Study- Strategic Analysis Review

The Microfluidic Devices 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.

Microfluidic Devices Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Microfluidic Devices 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 2032 in three case scenarios- low case, reference case, and high case scenarios.

Microfluidic Devices Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. 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 2032.

North America Microfluidic Devices 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 healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Microfluidic Devices market segments. Similarly, Strong market demand is encouraging Canadian Microfluidic Devices companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Microfluidic Devices market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

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

The German industry remains the major market for companies in the European Microfluidic Devices 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 vendors in identifying and leveraging new growth prospects positions the European Microfluidic Devices 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 Microfluidic Devices 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 Microfluidic Devices in Asia Pacific. In particular, China, India, and South East Asian Microfluidic Devices markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors 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 countries in the APAC region.

Latin America Microfluidic Devices 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 Microfluidic Devices 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 Microfluidic Devices market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Microfluidic Devices.

Microfluidic Devices Market Company Profiles

The global Microfluidic Devices 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, bioMérieux SA, Biorad Laboratories Inc, Danaher Corp, Dolomite Microfluidics, Fluidigm Corp, Fortive Corp, IDEX Corp, Illumina Inc, Lonza Group, Nanostring, Nortis Inc, PerkinElmer Inc, Qiagen N.V., SMC Corp, Thermo Fisher Scientific Inc.

Recent Microfluidic Devices Market Developments

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

Microfluidic Devices Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (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

Microfluidic-based Devices

Microfluidic Components

-Microfluidic Chips

-Flow & Pressure Sensors

-Flow & Pressure Controllers

-Microfluidic Valves

-Micropumps

-Microneedles

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 & 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

bioMérieux SA

Biorad Laboratories Inc

Danaher Corp

Dolomite Microfluidics

Fluidigm Corp

Fortive Corp

IDEX Corp

Illumina Inc

Lonza Group

Nanostring

Nortis Inc

PerkinElmer Inc

Qiagen N.V.

SMC Corp

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Microfluidic Devices Market Overview and Key Findings, 2024
- 1.2 Microfluidic Devices Market Size and Growth Outlook, 2021- 2030
- 1.3 Microfluidic Devices Market Growth Opportunities to 2030
- 1.4 Key Microfluidic Devices Market Trends and Challenges
 - 1.4.1 Microfluidic Devices Market Drivers and Trends
 - 1.4.2 Microfluidic Devices Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Microfluidic Devices Companies

2. MICROFLUIDIC DEVICES MARKET SIZE OUTLOOK TO 2030

- 2.1 Microfluidic Devices Market Size Outlook, USD Million, 2021- 2030
- 2.2 Microfluidic Devices Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. MICROFLUIDIC DEVICES MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. MICROFLUIDIC DEVICES MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Product
 - Microfluidic-based Devices
 - Microfluidic Components

- Microfluidic Chips
- Flow & Pressure Sensors
- Flow & Pressure Controllers
- Microfluidic Valves
- Micropumps
- Microneedles
- 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 & Biotechnology Companies
- 4.3 Growth Prospects and Niche Opportunities, 2023- 2030
- 4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

- 5.1 Key Findings for Asia Pacific Microfluidic Devices Market, 2025
- 5.2 Asia Pacific Microfluidic Devices Market Size Outlook by Type, 2021- 2030
- 5.3 Asia Pacific Microfluidic Devices Market Size Outlook by Application, 2021- 2030
- 5.4 Key Findings for Europe Microfluidic Devices Market, 2025
- 5.5 Europe Microfluidic Devices Market Size Outlook by Type, 2021- 2030
- 5.6 Europe Microfluidic Devices Market Size Outlook by Application, 2021- 2030
- 5.7 Key Findings for North America Microfluidic Devices Market, 2025
- 5.8 North America Microfluidic Devices Market Size Outlook by Type, 2021- 2030
- 5.9 North America Microfluidic Devices Market Size Outlook by Application, 2021- 2030
- 5.10 Key Findings for South America Microfluidic Devices Market, 2025
- 5.11 South America Pacific Microfluidic Devices Market Size Outlook by Type, 2021- 2030

5.12 South America Microfluidic Devices Market Size Outlook by Application, 2021-2030

5.13 Key Findings for Middle East and Africa Microfluidic Devices Market, 2025

5.14 Middle East Africa Microfluidic Devices Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Microfluidic Devices Market Size Outlook by Application, 2021-2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Microfluidic Devices Market Size Outlook and Revenue Growth Forecasts

6.2 US Microfluidic Devices Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Microfluidic Devices Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Microfluidic Devices Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Microfluidic Devices Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Microfluidic Devices Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Microfluidic Devices Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Microfluidic Devices Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Microfluidic Devices Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe Microfluidic Devices Industry Drivers and Opportunities

6.19 China Market Size Outlook and Revenue Growth Forecasts

6.20 China Microfluidic Devices Industry Drivers and Opportunities

6.21 India Market Size Outlook and Revenue Growth Forecasts

6.22 India Microfluidic Devices Industry Drivers and Opportunities

6.23 Japan Market Size Outlook and Revenue Growth Forecasts

6.24 Japan Microfluidic Devices Industry Drivers and Opportunities

6.26 South Korea Market Size Outlook and Revenue Growth Forecasts

6.26 South Korea Microfluidic Devices Industry Drivers and Opportunities

6.27 Australia Market Size Outlook and Revenue Growth Forecasts

6.28 Australia Microfluidic Devices Industry Drivers and Opportunities

6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts

6.30 South East Asia Microfluidic Devices Industry Drivers and Opportunities

- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Microfluidic Devices Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Microfluidic Devices Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Microfluidic Devices Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Microfluidic Devices Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Microfluidic Devices Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Microfluidic Devices Industry Drivers and Opportunities

7. MICROFLUIDIC DEVICES MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. MICROFLUIDIC DEVICES COMPANY PROFILES

- 8.1 Profiles of Leading Microfluidic Devices Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

Abbott Laboratories
Agilent Technologies Inc
bioMérieux SA
Biorad Laboratories Inc
Danaher Corp
Dolomite Microfluidics
Fluidigm Corp
Fortive Corp
Idex Corp
Illumina Inc
Lonza Group
Nanostring
Nortis Inc
Perkinelmer Inc
Qiagen N.V.

SMC Corp
Thermo Fisher Scientific Inc.

9. APPENDIX

- 9.1 Scope of the Report
- 9.2 Research Methodology and Data Sources
- 9.3 Glossary of Terms
- 9.4 Market Definitions
- 9.5 Contact Information

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