

Lab-on-a-chip (LOC) Industry Research Report 2024

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Abstracts

This report studies the Lab-on-a-chip (LOC) market. A lab-on-a-chip (LOC) is a device that integrates one or several laboratory functions on a single integrated circuit (commonly called a 'chip') of only millimeters to a few square centimeters to achieve automation and high-throughput screening. LOCs can handle extremely small fluid volumes down to less than pico-liters. Lab-on-a-chip devices are a subset of microelectromechanical systems (MEMS) devices and sometimes called 'micro total analysis systems' (μ TAS). LOCs may use microfluidics, the physics, manipulation and study of minute amounts of fluids. However, strictly regarded 'lab-on-a-chip' indicates generally the scaling of single or multiple lab processes down to chip-format, whereas ' μ TAS' is dedicated to the integration of the total sequence of lab processes to perform chemical analysis. The term 'lab-on-a-chip' was introduced when it turned out that μ TAS technologies were applicable for more than only analysis purposes.

According to APO Research, The global Lab-on-a-chip (LOC) market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Global Lab-on-a-chip (LOC) key players include Danaher, Thermo Fisher Scientific, Roche, etc. Global top three manufacturers hold a share over 50%.

United States is the largest market, with a share about 35%, followed by China and Europe, both have a share over 40 percent.

In terms of product, Instruments is the largest segment, with a share over 55%. And in terms of application, the largest application is Diagnostics, followed by Genomics and Proteomics, Drug Discovery, etc.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Lab-on-a-chip (LOC), with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Lab-on-a-chip (LOC).

The Lab-on-a-chip (LOC) market size, estimations, and forecasts are provided in terms of revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Lab-on-a-chip (LOC) market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Danaher

Thermo Fisher Scientific

Roche

Abbott Laboratories

Bio-Rad Laboratories

Becton, Dickinson

PerkinElmer

Agilent Technologies

IDEX Corporation

Fluidigm Corporation

Lab-on-a-chip (LOC) segment by Type

Reagents & Consumables

Software & Services

Instruments

Lab-on-a-chip (LOC) Segment by Application

Genomics and Proteomics

Diagnostics

Drug Discovery

Others

Lab-on-a-chip (LOC) Segment by Region

North America

United States

Canada

Europe

Germany

France

UK

Italy

Russia

Nordic Countries

Rest of Europe

Asia-Pacific

China

Japan

South Korea

Southeast Asia

India

Australia

Rest of Asia

Latin America

Mexico

Brazil

Rest of Latin America

Middle East & Africa

Turkey

Saudi Arabia

UAE

Rest of MEA

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Lab-on-a-chip (LOC) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Lab-on-a-chip (LOC) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Lab-on-a-chip (LOC).
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Provides the analysis of various market segments product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 4: Provides the analysis of various market segments application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 5: Introduces executive summary of global market size, regional market size, this section also introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by companies in the industry, and the analysis of relevant policies in the industry.

Chapter 6: Detailed analysis of Lab-on-a-chip (LOC) companies' competitive landscape, revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 7, 8, 9, 10, 11: North America, Europe, Asia Pacific, Latin America, Middle East

and Africa segment by country. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 12: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including revenue, gross margin, product introduction, recent development, etc.

Chapter 13: The main points and conclusions of the report.

Chapter 13: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Lab-on-a-chip (LOC) by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030)
 - 2.2.2 Reagents & Consumables
 - 2.2.3 Software & Services
 - 2.2.4 Instruments
- 2.3 Lab-on-a-chip (LOC) by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030)
 - 2.3.2 Genomics and Proteomics
 - 2.3.3 Diagnostics
 - 2.3.4 Drug Discovery
 - 2.3.5 Others
- 2.4 Assumptions and Limitations

3 LAB-ON-A-CHIP (LOC) BREAKDOWN DATA BY TYPE

- 3.1 Global Lab-on-a-chip (LOC) Historic Market Size by Type (2019-2024)
- 3.2 Global Lab-on-a-chip (LOC) Forecasted Market Size by Type (2025-2030)

4 LAB-ON-A-CHIP (LOC) BREAKDOWN DATA BY APPLICATION

- 4.1 Global Lab-on-a-chip (LOC) Historic Market Size by Application (2019-2024)
- 4.2 Global Lab-on-a-chip (LOC) Forecasted Market Size by Application (2019-2024)

5 GLOBAL GROWTH TRENDS

- 5.1 Global Lab-on-a-chip (LOC) Market Perspective (2019-2030)
- 5.2 Global Lab-on-a-chip (LOC) Growth Trends by Region
 - 5.2.1 Global Lab-on-a-chip (LOC) Market Size by Region: 2019 VS 2023 VS 2030
 - 5.2.2 Lab-on-a-chip (LOC) Historic Market Size by Region (2019-2024)
 - 5.2.3 Lab-on-a-chip (LOC) Forecasted Market Size by Region (2025-2030)
- 5.3 Lab-on-a-chip (LOC) Market Dynamics
 - 5.3.1 Lab-on-a-chip (LOC) Industry Trends
 - 5.3.2 Lab-on-a-chip (LOC) Market Drivers
 - 5.3.3 Lab-on-a-chip (LOC) Market Challenges
 - 5.3.4 Lab-on-a-chip (LOC) Market Restraints

6 MARKET COMPETITIVE LANDSCAPE BY PLAYERS

- 6.1 Global Top Lab-on-a-chip (LOC) Players by Revenue
 - 6.1.1 Global Top Lab-on-a-chip (LOC) Players by Revenue (2019-2024)
 - 6.1.2 Global Lab-on-a-chip (LOC) Revenue Market Share by Players (2019-2024)
- 6.2 Global Lab-on-a-chip (LOC) Industry Players Ranking, 2022 VS 2023 VS 2024
- 6.3 Global Key Players of Lab-on-a-chip (LOC) Head office and Area Served
- 6.4 Global Lab-on-a-chip (LOC) Players, Product Type & Application
- 6.5 Global Lab-on-a-chip (LOC) Players, Date of Enter into This Industry
- 6.6 Global Lab-on-a-chip (LOC) Market CR5 and HHI
- 6.7 Global Players Mergers & Acquisition

7 NORTH AMERICA

- 7.1 North America Lab-on-a-chip (LOC) Market Size (2019-2030)
- 7.2 North America Lab-on-a-chip (LOC) Market Growth Rate by Country: 2019 VS 2023 VS 2030
- 7.3 North America Lab-on-a-chip (LOC) Market Size by Country (2019-2024)
- 7.4 North America Lab-on-a-chip (LOC) Market Size by Country (2025-2030)
- 7.5 United States
- 7.6 Canada

8 EUROPE

- 8.1 Europe Lab-on-a-chip (LOC) Market Size (2019-2030)
- 8.2 Europe Lab-on-a-chip (LOC) Market Growth Rate by Country: 2019 VS 2023 VS 2030

8.3 Europe Lab-on-a-chip (LOC) Market Size by Country (2019-2024)

8.4 Europe Lab-on-a-chip (LOC) Market Size by Country (2025-2030)

8.5 Germany

8.6 France

8.7 U.K.

8.8 Italy

8.9 Russia

8.10 Nordic Countries

9 ASIA-PACIFIC

9.1 Asia-Pacific Lab-on-a-chip (LOC) Market Size (2019-2030)

9.2 Asia-Pacific Lab-on-a-chip (LOC) Market Growth Rate by Country: 2019 VS 2023 VS 2030

9.3 Asia-Pacific Lab-on-a-chip (LOC) Market Size by Country (2019-2024)

9.4 Asia-Pacific Lab-on-a-chip (LOC) Market Size by Country (2025-2030)

9.5 China

9.6 Japan

9.7 South Korea

9.8 Southeast Asia

9.9 India

9.10 Australia

10 LATIN AMERICA

10.1 Latin America Lab-on-a-chip (LOC) Market Size (2019-2030)

10.2 Latin America Lab-on-a-chip (LOC) Market Growth Rate by Country: 2019 VS 2023 VS 2030

10.3 Latin America Lab-on-a-chip (LOC) Market Size by Country (2019-2024)

10.4 Latin America Lab-on-a-chip (LOC) Market Size by Country (2025-2030)

10.5 Mexico

10.6 Brazil

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Lab-on-a-chip (LOC) Market Size (2019-2030)

11.2 Middle East & Africa Lab-on-a-chip (LOC) Market Growth Rate by Country: 2019 VS 2023 VS 2030

11.3 Middle East & Africa Lab-on-a-chip (LOC) Market Size by Country (2019-2024)

- 11.4 Middle East & Africa Lab-on-a-chip (LOC) Market Size by Country (2025-2030)
- 11.5 Turkey
- 11.6 Saudi Arabia
- 11.7 UAE

12 PLAYERS PROFILED

12.1 Danaher

- 12.1.1 Danaher Company Information
- 12.1.2 Danaher Business Overview
- 12.1.3 Danaher Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.1.4 Danaher Lab-on-a-chip (LOC) Product Portfolio
- 12.1.5 Danaher Recent Developments

12.2 Thermo Fisher Scientific

- 12.2.1 Thermo Fisher Scientific Company Information
- 12.2.2 Thermo Fisher Scientific Business Overview
- 12.2.3 Thermo Fisher Scientific Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.2.4 Thermo Fisher Scientific Lab-on-a-chip (LOC) Product Portfolio
- 12.2.5 Thermo Fisher Scientific Recent Developments

12.3 Roche

- 12.3.1 Roche Company Information
- 12.3.2 Roche Business Overview
- 12.3.3 Roche Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.3.4 Roche Lab-on-a-chip (LOC) Product Portfolio
- 12.3.5 Roche Recent Developments

12.4 Abbott Laboratories

- 12.4.1 Abbott Laboratories Company Information
- 12.4.2 Abbott Laboratories Business Overview
- 12.4.3 Abbott Laboratories Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.4.4 Abbott Laboratories Lab-on-a-chip (LOC) Product Portfolio
- 12.4.5 Abbott Laboratories Recent Developments

12.5 Bio-Rad Laboratories

- 12.5.1 Bio-Rad Laboratories Company Information
- 12.5.2 Bio-Rad Laboratories Business Overview
- 12.5.3 Bio-Rad Laboratories Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.5.4 Bio-Rad Laboratories Lab-on-a-chip (LOC) Product Portfolio
- 12.5.5 Bio-Rad Laboratories Recent Developments

12.6 Becton, Dickinson

- 12.6.1 Becton, Dickinson Company Information
- 12.6.2 Becton, Dickinson Business Overview
- 12.6.3 Becton, Dickinson Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.6.4 Becton, Dickinson Lab-on-a-chip (LOC) Product Portfolio
- 12.6.5 Becton, Dickinson Recent Developments

12.7 PerkinElmer

- 12.7.1 PerkinElmer Company Information
- 12.7.2 PerkinElmer Business Overview
- 12.7.3 PerkinElmer Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.7.4 PerkinElmer Lab-on-a-chip (LOC) Product Portfolio
- 12.7.5 PerkinElmer Recent Developments

12.8 Agilent Technologies

- 12.8.1 Agilent Technologies Company Information
- 12.8.2 Agilent Technologies Business Overview
- 12.8.3 Agilent Technologies Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.8.4 Agilent Technologies Lab-on-a-chip (LOC) Product Portfolio
- 12.8.5 Agilent Technologies Recent Developments

12.9 IDEX Corporation

- 12.9.1 IDEX Corporation Company Information
- 12.9.2 IDEX Corporation Business Overview
- 12.9.3 IDEX Corporation Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.9.4 IDEX Corporation Lab-on-a-chip (LOC) Product Portfolio
- 12.9.5 IDEX Corporation Recent Developments

12.10 Fluidigm Corporation

- 12.10.1 Fluidigm Corporation Company Information
- 12.10.2 Fluidigm Corporation Business Overview
- 12.10.3 Fluidigm Corporation Revenue in Lab-on-a-chip (LOC) Business (2019-2024)
- 12.10.4 Fluidigm Corporation Lab-on-a-chip (LOC) Product Portfolio
- 12.10.5 Fluidigm Corporation Recent Developments

13 REPORT CONCLUSION

14 DISCLAIMER

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