

# Global Lab-on-a-chip (LOC) Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

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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' ( $\mu$ 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 ' $\mu$ 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  $\mu$ TAS technologies were applicable for more than only analysis purposes.

According to APO Research, The global Lab-on-a-chip (LOC) market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

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.

This report presents an overview of global market for Lab-on-a-chip (LOC), revenue and gross margin. Analyses of the global market trends, with historic market revenue for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Lab-on-a-chip (LOC), also provides the value of main regions and countries. Of the upcoming market potential for Lab-on-a-chip (LOC), and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Lab-on-a-chip (LOC) revenue, market share and industry ranking of main companies, data from 2019 to 2024. Identification of the major stakeholders in the global Lab-on-a-chip (LOC) market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

All companies have demonstrated varying levels of sales growth and profitability over the past six years, while some companies have experienced consistent growth, others have shown fluctuations in performance. The overall trend suggests a positive outlook for the global @@@@ company landscape, with companies adapting to market dynamics and maintaining profitability amidst changing conditions.

Descriptive company profiles of the major global players, including Danaher, Thermo Fisher Scientific, Roche, Abbott Laboratories, Bio-Rad Laboratories, Becton, Dickinson, PerkinElmer, Agilent Technologies and IDEX Corporation, etc.

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

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

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

### Study Objectives

1. To analyze and research the global Lab-on-a-chip (LOC) status and future forecast, involving, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the Lab-on-a-chip (LOC) key companies, revenue, market share, and recent developments.
3. To split the Lab-on-a-chip (LOC) breakdown data by regions, type, companies, and application.
4. To analyze the global and key regions Lab-on-a-chip (LOC) market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Lab-on-a-chip (LOC) significant trends, drivers, influence factors in global and regions.
6. To analyze Lab-on-a-chip (LOC) competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

### 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 sales 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: Introduces the report scope of the report, global total market size.

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Lab-on-a-chip (LOC) industry.

Chapter 3: Detailed analysis of Lab-on-a-chip (LOC) company competitive landscape, revenue market share, latest development plan, merger, and acquisition information, etc.

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

Chapter 5: Provides the analysis of various market segments by 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 6: Sales value of Lab-on-a-chip (LOC) in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of key country in the world.

Chapter 7: Sales value of Lab-on-a-chip (LOC) in country level. It provides sigma data by type, and by application for each country/region.

Chapter 8: 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 9: Concluding Insights.

Chapter 9: Concluding Insights.

## Contents

### **1 MARKET OVERVIEW**

- 1.1 Product Definition
- 1.2 Global Lab-on-a-chip (LOC) Market Size, 2019 VS 2023 VS 2030
- 1.3 Global Lab-on-a-chip (LOC) Market Size (2019-2030)
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

### **2 LAB-ON-A-CHIP (LOC) MARKET DYNAMICS**

- 2.1 Lab-on-a-chip (LOC) Industry Trends
- 2.2 Lab-on-a-chip (LOC) Industry Drivers
- 2.3 Lab-on-a-chip (LOC) Industry Opportunities and Challenges
- 2.4 Lab-on-a-chip (LOC) Industry Restraints

### **3 LAB-ON-A-CHIP (LOC) MARKET BY COMPANY**

- 3.1 Global Lab-on-a-chip (LOC) Company Revenue Ranking in 2023
- 3.2 Global Lab-on-a-chip (LOC) Revenue by Company (2019-2024)
- 3.3 Global Lab-on-a-chip (LOC) Company Ranking, 2022 VS 2023 VS 2024
- 3.4 Global Lab-on-a-chip (LOC) Company Manufacturing Base & Headquarters
- 3.5 Global Lab-on-a-chip (LOC) Company, Product Type & Application
- 3.6 Global Lab-on-a-chip (LOC) Company Commercialization Time
- 3.7 Market Competitive Analysis
  - 3.7.1 Global Lab-on-a-chip (LOC) Market CR5 and HHI
  - 3.7.2 Global Top 5 and 10 Company Market Share by Revenue in 2023
  - 3.7.3 2023 Lab-on-a-chip (LOC) Tier 1, Tier 2, and Tier
- 3.8 Mergers & Acquisitions, Expansion

### **4 LAB-ON-A-CHIP (LOC) MARKET BY TYPE**

- 4.1 Lab-on-a-chip (LOC) Type Introduction
  - 4.1.1 Reagents & Consumables
  - 4.1.2 Software & Services
  - 4.1.3 Instruments
- 4.2 Global Lab-on-a-chip (LOC) Sales Value by Type
  - 4.2.1 Global Lab-on-a-chip (LOC) Sales Value by Type (2019 VS 2023 VS 2030)



4.2.2 Global Lab-on-a-chip (LOC) Sales Value by Type (2019-2030)

4.2.3 Global Lab-on-a-chip (LOC) Sales Value Share by Type (2019-2030)

## **5 LAB-ON-A-CHIP (LOC) MARKET BY APPLICATION**

5.1 Lab-on-a-chip (LOC) Application Introduction

5.1.1 Genomics and Proteomics

5.1.2 Diagnostics

5.1.3 Drug Discovery

5.1.4 Others

5.2 Global Lab-on-a-chip (LOC) Sales Value by Application

5.2.1 Global Lab-on-a-chip (LOC) Sales Value by Application (2019 VS 2023 VS 2030)

5.2.2 Global Lab-on-a-chip (LOC) Sales Value by Application (2019-2030)

5.2.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application (2019-2030)

## **6 LAB-ON-A-CHIP (LOC) MARKET BY REGION**

6.1 Global Lab-on-a-chip (LOC) Sales Value by Region: 2019 VS 2023 VS 2030

6.2 Global Lab-on-a-chip (LOC) Sales Value by Region (2019-2030)

6.2.1 Global Lab-on-a-chip (LOC) Sales Value by Region: 2019-2024

6.2.2 Global Lab-on-a-chip (LOC) Sales Value by Region (2025-2030)

6.3 North America

6.3.1 North America Lab-on-a-chip (LOC) Sales Value (2019-2030)

6.3.2 North America Lab-on-a-chip (LOC) Sales Value Share by Country, 2023 VS 2030

6.4 Europe

6.4.1 Europe Lab-on-a-chip (LOC) Sales Value (2019-2030)

6.4.2 Europe Lab-on-a-chip (LOC) Sales Value Share by Country, 2023 VS 2030

6.5 Asia-Pacific

6.5.1 Asia-Pacific Lab-on-a-chip (LOC) Sales Value (2019-2030)

6.5.2 Asia-Pacific Lab-on-a-chip (LOC) Sales Value Share by Country, 2023 VS 2030

6.6 Latin America

6.6.1 Latin America Lab-on-a-chip (LOC) Sales Value (2019-2030)

6.6.2 Latin America Lab-on-a-chip (LOC) Sales Value Share by Country, 2023 VS 2030

6.7 Middle East & Africa

6.7.1 Middle East & Africa Lab-on-a-chip (LOC) Sales Value (2019-2030)

6.7.2 Middle East & Africa Lab-on-a-chip (LOC) Sales Value Share by Country, 2023 VS 2030

## **7 LAB-ON-A-CHIP (LOC) MARKET BY COUNTRY**

7.1 Global Lab-on-a-chip (LOC) Sales Value by Country: 2019 VS 2023 VS 2030

7.2 Global Lab-on-a-chip (LOC) Sales Value by Country (2019-2030)

7.2.1 Global Lab-on-a-chip (LOC) Sales Value by Country (2019-2024)

7.2.2 Global Lab-on-a-chip (LOC) Sales Value by Country (2025-2030)

7.3 USA

7.3.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.3.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.3.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

7.4 Canada

7.4.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.4.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.4.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

7.5 Germany

7.5.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.5.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.5.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

7.6 France

7.6.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.6.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.6.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

7.7 U.K.

7.7.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.7.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.7.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

7.8 Italy

7.8.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.8.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.8.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

7.9 Netherlands

7.9.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.9.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.9.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

7.10 Nordic Countries

7.10.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)

7.10.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

7.10.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.11 China

- 7.11.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.11.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.11.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.12 Japan

- 7.12.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.12.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.12.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.13 South Korea

- 7.13.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.13.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.13.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.14 Southeast Asia

- 7.14.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.14.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.14.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.15 India

- 7.15.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.15.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.15.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.16 Australia

- 7.16.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.16.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.16.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.17 Mexico

- 7.17.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.17.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.17.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.18 Brazil

- 7.18.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.18.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.18.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.19 Turkey

- 7.19.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.19.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
- 7.19.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## 7.20 Saudi Arabia

- 7.20.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
- 7.20.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030

- 7.20.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030
- 7.21 UAE
  - 7.21.1 Global Lab-on-a-chip (LOC) Sales Value Growth Rate (2019-2030)
  - 7.21.2 Global Lab-on-a-chip (LOC) Sales Value Share by Type, 2023 VS 2030
  - 7.21.3 Global Lab-on-a-chip (LOC) Sales Value Share by Application, 2023 VS 2030

## **8 COMPANY PROFILES**

### 8.1 Danaher

- 8.1.1 Danaher Company Information
- 8.1.2 Danaher Business Overview
- 8.1.3 Danaher Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)
- 8.1.4 Danaher Lab-on-a-chip (LOC) Product Portfolio
- 8.1.5 Danaher Recent Developments

### 8.2 Thermo Fisher Scientific

- 8.2.1 Thermo Fisher Scientific Company Information
- 8.2.2 Thermo Fisher Scientific Business Overview
- 8.2.3 Thermo Fisher Scientific Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)
- 8.2.4 Thermo Fisher Scientific Lab-on-a-chip (LOC) Product Portfolio
- 8.2.5 Thermo Fisher Scientific Recent Developments

### 8.3 Roche

- 8.3.1 Roche Company Information
- 8.3.2 Roche Business Overview
- 8.3.3 Roche Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)
- 8.3.4 Roche Lab-on-a-chip (LOC) Product Portfolio
- 8.3.5 Roche Recent Developments

### 8.4 Abbott Laboratories

- 8.4.1 Abbott Laboratories Company Information
- 8.4.2 Abbott Laboratories Business Overview
- 8.4.3 Abbott Laboratories Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)
- 8.4.4 Abbott Laboratories Lab-on-a-chip (LOC) Product Portfolio
- 8.4.5 Abbott Laboratories Recent Developments

### 8.5 Bio-Rad Laboratories

- 8.5.1 Bio-Rad Laboratories Company Information
- 8.5.2 Bio-Rad Laboratories Business Overview
- 8.5.3 Bio-Rad Laboratories Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)

8.5.4 Bio-Rad Laboratories Lab-on-a-chip (LOC) Product Portfolio

8.5.5 Bio-Rad Laboratories Recent Developments

8.6 Becton, Dickinson

8.6.1 Becton, Dickinson Company Information

8.6.2 Becton, Dickinson Business Overview

8.6.3 Becton, Dickinson Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)

8.6.4 Becton, Dickinson Lab-on-a-chip (LOC) Product Portfolio

8.6.5 Becton, Dickinson Recent Developments

8.7 PerkinElmer

8.7.1 PerkinElmer Company Information

8.7.2 PerkinElmer Business Overview

8.7.3 PerkinElmer Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)

8.7.4 PerkinElmer Lab-on-a-chip (LOC) Product Portfolio

8.7.5 PerkinElmer Recent Developments

8.8 Agilent Technologies

8.8.1 Agilent Technologies Company Information

8.8.2 Agilent Technologies Business Overview

8.8.3 Agilent Technologies Lab-on-a-chip (LOC) Revenue and Gross Margin  
(2019-2024)

8.8.4 Agilent Technologies Lab-on-a-chip (LOC) Product Portfolio

8.8.5 Agilent Technologies Recent Developments

8.9 IDEX Corporation

8.9.1 IDEX Corporation Company Information

8.9.2 IDEX Corporation Business Overview

8.9.3 IDEX Corporation Lab-on-a-chip (LOC) Revenue and Gross Margin (2019-2024)

8.9.4 IDEX Corporation Lab-on-a-chip (LOC) Product Portfolio

8.9.5 IDEX Corporation Recent Developments

8.10 Fluidigm Corporation

8.10.1 Fluidigm Corporation Company Information

8.10.2 Fluidigm Corporation Business Overview

8.10.3 Fluidigm Corporation Lab-on-a-chip (LOC) Revenue and Gross Margin  
(2019-2024)

8.10.4 Fluidigm Corporation Lab-on-a-chip (LOC) Product Portfolio

8.10.5 Fluidigm Corporation Recent Developments

## **9 CONCLUDING INSIGHTS**

## **10 APPENDIX**

- 10.1 Reasons for Doing This Study
- 10.2 Research Methodology
- 10.3 Research Process
- 10.4 Authors List of This Report
- 10.5 Data Source
  - 10.5.1 Secondary Sources
  - 10.5.2 Primary Sources
- 10.6 Disclaimer

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