

# **Global Lab-on-a-chip (LOC) Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030**

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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.

## Report Includes

This report presents an overview of global market for Lab-on-a-chip (LOC), market size. Analyses of the global market trends, with historic market revenue data 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 revenue 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 manufacturers, 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.

This report analyzes the segments data by Type and by Application, revenue, and growth rate, from 2019 to 2030. Evaluation and forecast the market size for Lab-on-a-chip (LOC) revenue, projected growth trends, production technology, application and end-user industry.

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 status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze 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 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: 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. Revenue of Lab-on-a-chip (LOC) in global and regional level. 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. 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 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) companies' competitive landscape,

revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

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

Chapter 6: Provides profiles of key companies, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Lab-on-a-chip (LOC) revenue, gross margin, and recent development, etc.

Chapter 7: North America (US & Canada) by type, by application and by country, revenue for each segment.

Chapter 8: Europe by type, by application and by country, revenue for each segment.

Chapter 9: China by type, and by application, revenue for each segment.

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