

# **Clinical Lab Automation Market by Product (Liquid Handling, Nucleic Acid Purification System, Microplate Reader, Automated ELISA, Software), End User (Hospital Laboratories, Diagnostic Laboratories) – Global Forecast to 2030**

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## **Abstracts**

Clinical Lab Automation Market by Product (Liquid Handling, Nucleic Acid Purification System, Microplate Reader, Automated ELISA, Software), End User (Hospital Laboratories, Diagnostic Laboratories) – Global Forecast to 2030

The global clinical lab automation market is projected to reach \$3.72 billion by 2030, at a CAGR of 7.8% from 2023 to 2030.

Following a comprehensive primary and secondary study and an in-depth analysis of the market scenario, this report provides the key drivers, constraints, challenges, and opportunities of the industry. This market is driven by the rising global geriatric population, increasing prevalence of infectious diseases, and technological advancements in clinical laboratory instruments. Furthermore, increasing demand for automated instruments due to technological advancements, efficiency, and accuracy; technological advancements in molecular diagnostics; and emerging economies provide significant growth opportunities for this market.

However, the high costs of advanced clinical lab automation equipment and funding and infrastructure limitations in developing countries may restrain the growth of this market. Additionally, equipment maintenance and repair costs and concerns over the security and privacy of patient data pose a major challenge for the players operating in this market.

Among products, in 2023, the systems segment is expected to account for the largest share of the clinical lab automation market. The large market share of this segment is attributed to the increased focus on drug development, and the advantages of automated liquid handling systems to increase efficiency and productivity while reducing errors.

Among end users, in 2023, the hospital laboratories segment is expected to account for the largest share of the clinical lab automation market. The large market share of this segment is attributed to factors such as rising healthcare expenditures, continuous improvements in healthcare infrastructure, and the utilization of advanced techniques and technologies.

An in-depth analysis of the geographical scenario of the global clinical lab automation market provides detailed qualitative and quantitative insights for the five major geographies (North America, Europe, Asia-Pacific, the Middle East & Africa, and Latin America) along with the coverage of major countries in each region.

In 2023, North America is expected to account for the largest share of the global clinical lab automation market, followed by Europe, Asia-Pacific, Latin America, and the Middle East & Africa. Asia-Pacific is expected to be the fastest-growing region of the global clinical lab automation market.

The key players operating in the global clinical lab automation market are Thermo Fisher Scientific, Inc. (U.S.), Bio-Rad Laboratories, Inc. (U.S.), Danaher Corporation (U.S.), Revvity, Inc. (Formerly known as PerkinElmer, Inc.) (U.S.), F. Hoffmann-La Roche AG (Switzerland), Agilent Technologies, Inc. (U.S.), Waters Corporation (U.S.), Tecan Group Ltd. (Switzerland), Siemens Healthineers AG (Germany), Becton, Dickinson, and Company (U.S.), Abbott Laboratories (U.S.), Hudson Robotics, Inc. (U.S.), and Hamilton Company (U.S.).

Scope of the Report:

Clinical Lab Automation Market Assessment—by Product

Systems

Automated Liquid Handling Systems

Automated ELISA Systems

Automated Nucleic Acid Purification Systems

Automated Microplate Readers

Other Systems

Clinical Lab Automation Software

Note: Other systems include automated incubators, automated cell counters, and cell imaging systems.

Clinical Lab Automation Market Assessment–by End User

Hospital Laboratories

Diagnostic Laboratories

Other End Users

Note: Other end users include blood banks, forensic labs, and clinical research organizations

Clinical Lab Automation Market Assessment–by Geography

North America

U.S.

Canada

Europe

Germany

U.K.

France

Italy

Spain

Rest of Europe (RoE)

Asia-Pacific (APAC)

China

Japan

India

Rest of APAC (RoAPAC)

Latin America

Middle East & Africa

## Contents

### 1. INTRODUCTION

- 1.1. Market Definition & Scope
- 1.2. Market Ecosystem
- 1.3. Currency & Limitations
- 1.4. Key Stakeholders

### 2. RESEARCH METHODOLOGY

- 2.1. Research Approach
- 2.2. Process of Data Collection and Validation
  - 2.2.1. Secondary Research
  - 2.2.2. Primary Research/Interviews with Key Opinion Leaders from the Industry
- 2.3. Market Sizing and Forecasting
  - 2.3.1. Market Size Estimation Approach
  - 2.3.2. Growth Forecast Approach
  - 2.3.3. Market Share Analysis
- 2.4. Assumptions for the Study

### 3. EXECUTIVE SUMMARY

### 4. MARKET INSIGHTS

- 4.1. Overview
- 4.2. Factors Affecting Market Growth
  - 4.2.1. Impact Analysis of Market Dynamics
  - 4.2.2. Factor Analysis
- 4.3. Regulatory Analysis
  - 4.3.1. Overview
  - 4.3.2. North America
    - 4.3.2.1. U.S.
    - 4.3.2.2. Canada
  - 4.3.3. Europe
  - 4.3.4. Asia-Pacific
    - 4.3.4.1. China
    - 4.3.4.2. Japan
    - 4.3.4.3. India

- 4.3.5. Latin America
- 4.3.6. Middle East
- 4.4. Pricing Analysis
- 4.5. Industry Trends
  - 4.5.1. Shortage of Skilled Professionals Leading to the Increased Use of Automated Systems
  - 4.5.2. Increasing Applications of Next-Generation Sequencing Technology
- 4.6. Porter's Five Forces Analysis
  - 4.6.1. Bargaining Power of Buyers
  - 4.6.2. Bargaining Power of Suppliers
  - 4.6.3. Threat of Substitutes
  - 4.6.4. Threat of New Entrants
  - 4.6.5. Degree of Competition

## **5. CLINICAL LAB AUTOMATION MARKET ASSESSMENT–BY PRODUCT**

- 5.1. Overview
- 5.2. Systems
  - 5.2.1. Automated Liquid Handling Systems
  - 5.2.2. Automated ELISA Systems
  - 5.2.3. Automated Nucleic Acid Purification Systems
  - 5.2.4. Automated Microplate Readers
  - 5.2.5. Other Systems
- 5.3. Clinical Lab Automation Software

## **6. CLINICAL LAB AUTOMATION MARKET ASSESSMENT–BY END USER**

- 6.1. Overview
- 6.2. Hospital Laboratories
- 6.3. Diagnostic Laboratories
- 6.4. Other End Users

## **7. CLINICAL LAB AUTOMATION MARKET ASSESSMENT–BY GEOGRAPHY**

- 7.1. Overview
- 7.2. North America
  - 7.2.1. U.S.
  - 7.2.2. Canada
- 7.3. Europe

- 7.3.1. Germany
- 7.3.2. France
- 7.3.3. U.K.
- 7.3.4. Italy
- 7.3.5. Spain
- 7.3.6. Rest of Europe
- 7.4. Asia-Pacific
  - 7.4.1. China
  - 7.4.2. Japan
  - 7.4.3. India
  - 7.4.4. Rest of Asia-Pacific
- 7.5. Latin America
- 7.6. Middle East & Africa

## **8. COMPETITION ANALYSIS**

- 8.1. Overview
- 8.2. Key Growth Strategies
- 8.3. Competitive Benchmarking
- 8.4. Competitive Dashboard
  - 8.4.1. Industry Leaders
  - 8.4.2. Market Differentiators
  - 8.4.3. Vanguard
  - 8.4.4. Emerging Companies
- 8.5. Market Share Analysis (2022)
  - 8.5.1. Danaher Corporation (U.S.)
  - 8.5.2. Hamilton Company (U.S.)
  - 8.5.3. Abbott Laboratories (U.S.)

## **9. COMPANY PROFILES (COMPANY OVERVIEW, FINANCIAL OVERVIEW, PRODUCT PORTFOLIO, STRATEGIC DEVELOPMENTS, SWOT ANALYSIS)**

- 9.1. Danaher Corporation
- 9.2. Hamilton Company
- 9.3. Abbott Laboratories
- 9.4. F. Hoffmann-La Roche AG
- 9.5. Thermo Fisher Scientific, Inc.
- 9.6. Bio-Rad Laboratories, Inc.
- 9.7. Revvity, Inc. (Formerly Known as PerkinElmer, Inc.)

- 9.8. Agilent Technologies, Inc.
  - 9.9. Waters Corporation
  - 9.10. Tecan Group Ltd.
  - 9.11. Siemens Healthineers Ag
  - 9.12. Becton, Dickinson, and Company
  - 9.13. Hudson Robotics, Inc.
- (Note: SWOT Analysis of Top 5 Companies is Provided)

## 10. APPENDIX

- 10.1. Available Customization
- 10.2. Related Reports
  - Table 1 HIV Prevalence, by Region, 2022
  - Table 2 Global: No. of Deaths Due to Cardiovascular Diseases, 1990–2021
  - Table 3 Key FDA Regulations for the Clinical Lab Automation Market
  - Table 4 Classification of Automated Clinical Laboratory Instruments
  - Table 5 Central Drugs Standard Control Organisation (CDSCO) Medical Device Classification
  - Table 6 India: Laws Regulating the Life Sciences Industry
  - Table 7 Clinical Lab Automation Instruments and Systems: Pricing Details
  - Table 8 Automated NGS Workstations: Pricing Details
  - Table 9 Global Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)
  - Table 10 Global Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)
  - Table 11 Global Clinical Lab Automation Systems Market, by Country/Region, 2021–2030 (USD Million)
  - Table 12 Global Automated Liquid Handling Systems Market, by Country/Region, 2021–2030 (USD Million)
  - Table 13 Type of Automated ELISA Systems
  - Table 14 Global Automated ELISA Systems Market, by Country/Region, 2021–2030 (USD Million)
  - Table 15 Global Automated Nucleic Acid Purification Systems Market, by Country/Region, 2021–2030 (USD Million)
  - Table 16 Recent Advancements in Microplate Reader Technology
  - Table 17 Global Automated Microplate Readers Market, by Country/Region, 2021–2030 (USD Million)
  - Table 18 Global Other Clinical Lab Automation Systems Market, by Country/Region, 2021–2030 (USD Million)
  - Table 19 Global Clinical Lab Automation Software Market, by Country/Region,



2021–2030 (USD Million)

Table 20 Global Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 21 Global Clinical Lab Automation Market for Hospital Laboratories, by Country/Region, 2021–2030 (USD Million)

Table 22 Global Clinical Lab Automation Market for Diagnostic Laboratories, by Country/Region, 2021–2030 (USD Million)

Table 23 Global Clinical Lab Automation Market for Other End Users, by Country/Region, 2021–2030 (USD Million)

Table 24 Global Clinical Lab Automation Market, by Country/Region, 2021–2030 (USD Million)

Table 25 North America: Clinical Lab Automation Market, by Country, 2021–2030 (USD Million)

Table 26 North America: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 27 North America: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 28 North America: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 29 U.S.: Key Macro & Micro Indicators

Table 30 U.S.: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 31 U.S.: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 32 U.S.: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 33 Canada: Key Macro & Micro Indicators

Table 34 Canada: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 35 Canada: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 36 Canada: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 37 Europe: Clinical Lab Automation Market, by Country/Region, 2021–2030 (USD Million)

Table 38 Europe: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 39 Europe: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 40 Europe: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 41 Germany: Key Macro & Micro Indicators

Table 42 Germany: Clinical Lab Automation Market, by Equipment, 2021–2030 (USD

Million)

Table 43 Germany: Clinical Lab Automation Market Systems Market, by Type, 2021–2030 (USD Million)

Table 44 Germany: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 45 France: Key Macro & Indicators

Table 46 France: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 47 France: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 48 France: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 49 U.K.: Prevalence of Various Chronic Conditions

Table 50 U.K.: Key Macro & Micro Indicators

Table 51 U.K.: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 52 U.K.: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 53 U.K.: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 54 Italy: Key Macro & Micro Indicators

Table 55 Italy: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 56 Italy: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 57 Italy: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 58 Spain: Key Macro & Micro Indicators

Table 59 Spain: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 60 Spain: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 61 Spain: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 62 Rest of Europe: Percent of Elderly Population (2012 Vs 2021 Vs 2022)

Table 63 Rest of Europe: Cancer Statistics (2020 Vs. 2030)

Table 64 Rest of Europe: Diabetes Statistics (2021 Vs. 2030) (In Thousands)

Table 65 Rest of Europe: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 66 Rest of Europe: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 67 Rest of Europe: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 68 Asia-Pacific: Clinical Lab Automation Market, by Country, 2021–2030 (USD Million)

Table 69 Asia-Pacific: Clinical Lab Automation Market, by Product, 2021–2030 (USD

Million)

Table 70 Asia-Pacific: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 71 Asia-Pacific: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 72 China: Key Macro & Micro Indicators

Table 73 China: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 74 China: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 75 China: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 76 Japan: Key Macro & Micro Indicators

Table 77 Japan: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 78 Japan: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 79 Japan: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 80 India: Key Macro & Micro Indicators

Table 81 India: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 82 India: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 83 India: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 84 Estimated Number of New Cancer Cases, by Country, 2020 Vs. 2030

Table 85 RoAPAC: Number of People with Diabetes (2021 Vs. 2030 Vs. 2045) (In Thousands)

Table 86 Rest of Asia-Pacific: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 87 Rest of Asia-Pacific: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 88 Rest of Asia-Pacific: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 89 Latin America: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 90 Latin America: Clinical Lab Automation Systems Market, by Type, 2021–2030 (USD Million)

Table 91 Latin America: Clinical Lab Automation Market, by End User, 2021–2030 (USD Million)

Table 92 Middle East & Africa: Clinical Lab Automation Market, by Product, 2021–2030 (USD Million)

Table 93 Middle East & Africa: Clinical Lab Automation Systems Market, by Type,

2021–2030 (USD Million)

Table 94 Middle East & Africa: Clinical Lab Automation Market, by End User,  
2021–2030 (USD Million)

Table 95 Recent Developments, by Company, 2020–2023

Figure 1 Research Process

Figure 2 Secondary Sources Referenced for This Study

Figure 3 Primary Research Techniques

Figure 4 Key Executives Interviewed

Figure 5 Breakdown of Primary Interviews (Supply-Side & Demand-Side)

Figure 6 Market Sizing and Growth Forecast Approach

Figure 7 Global Clinical Lab Automation Market, by Product, 2023 Vs. 2030 (USD  
Million)

Figure 8 Global Clinical Lab Automation Market, by End User, 2023 Vs. 2030 (USD  
Million)

Figure 9 Clinical Lab Automation Market Size, by Geography

Figure 10 Global Clinical Lab Automation Market: Impact Analysis of Market Drivers,  
Restraints, Opportunities, and Challenges (2023–2030)

Figure 11 Population Aged 65 Years or Over, by Region, 2020 Vs. 2030 (In Million)

Figure 12 Global: Estimated Number of New Cancer Cases, 2020–2040 (In Million)

Figure 13 Global Prevalence of Diabetes, 2000–2045 (In Million)

Figure 14 Global: Total Number of Accredited Testing Laboratories, 2016–2020

Figure 15 Incidence of Tuberculosis, by Region, 2021 (In Million)

Figure 16 EU Regulatory Pathway – IVDR 2017/746

Figure 17 China: Medical Devices Classification and Pre-Market Requirements for IVD  
Devices

Figure 18 Porter's Five Forces Analysis

Figure 19 Global Clinical Lab Automation Market, by Product, 2023 Vs 2030 (USD  
Million)

Figure 20 Advantages of Using Automated ELISA Systems

Figure 21 Global Clinical Lab Automation Market, by End User, 2023 Vs. 2030 (USD  
Million)

Figure 22 Global Clinical Lab Automation Market, by Country/Region, 2023 Vs. 2030  
(USD Million)

Figure 23 North America: Clinical Lab Automation Market Snapshot

Figure 24 Geriatric Population in Canada (2019–2050)

Figure 25 Estimated Number of New Cancer Cases (2020–2040)

Figure 26 Europe: Clinical Lab Automation Market Snapshot

Figure 27 U.K.: Number of New Sexually Transmitted Infections Diagnosed Per 100,000  
Population, 2017–2021

- Figure 28 Italy: Percentage of The Population Aged 65 & Above, 2010–2021
- Figure 29 Spain: Number of People Living with HIV (2010-2021)
- Figure 30 Asia-Pacific: Clinical Lab Automation Market Snapshot
- Figure 31 China: Number of New Cancer Cases (2020-2040) (In Million)
- Figure 32 Japan: Share of Geriatric Population in Total Population (65 and Over)
- Figure 33 Brazil: Number of People with Diabetes (In Thousands)
- Figure 34 Key Growth Strategies Adopted by Leading Players 2020-2023
- Figure 35 Clinical Lab Automation Market: Competitive Benchmarking by Product Type
- Figure 36 Clinical Lab Automation Market: Competitive Benchmarking, by Region
- Figure 37 Competitive Dashboard: Clinical Lab Automation Market
- Figure 38 Global Clinical Lab Automation Market Share Analysis, by Key Players (2022)
- Figure 39 Danaher Corporation: Financial Overview (2022)
- Figure 40 Abbott Laboratories: Financial Overview (2022)
- Figure 41 F. Hoffmann-La Roche AG: Financial Overview (2022)
- Figure 42 Thermo Fisher Scientific, Inc.: Financial Overview (2022)
- Figure 43 Bio-Rad Laboratories, Inc.: Financial Overview (2022)
- Figure 44 PerkinElmer, Inc.: Financial Overview (2022)
- Figure 45 Agilent Technologies, Inc.: Financial Overview (2022)
- Figure 46 Waters Corporation: Financial Overview (2022)
- Figure 47 Tecan Group Ltd.: Financial Overview (2022)
- Figure 48 Siemens Healthineers Ag: Financial Overview (2022)
- Figure 49 Becton, Dickinson, and Company: Financial Overview (2022)

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