

# **Europe Microplate Reader Market Forecast to 2031 - Regional Analysis - by Type (Single-Mode Microplate Readers and Multi-Mode Microplate Readers), Application (Drug Discovery, Clinical Diagnostics, Genomics and Proteomics Research, and Others), and End User (Biotechnology and Pharmaceutical Companies, Hospital and Diagnostic Laboratories, and Research and Academic Institutes)**

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## **Abstracts**

The microplate reader market in Europe was valued at approximately USD 154.66 million in 2023 and is projected to grow to USD 223.72 million by 2031, reflecting a compound annual growth rate (CAGR) of 4.7% during the forecast period from 2023 to 2031.

### **Growth Drivers in Biopharmaceutical Research**

Microplate readers are essential laboratory instruments that measure various chemical, biological, or physical reactions occurring within the wells of microplates. They detect optical signals produced by these reactions, enabling the quantification of specific analytes in samples. The pharmaceutical and biotechnology sectors heavily rely on a range of instruments, particularly in high-throughput screening (HTS) and drug discovery processes, where microplate-based assays allow for the assessment of numerous samples simultaneously.

These devices can process up to 3,456 samples in just a few minutes, significantly reducing operational time and minimizing reagent costs. This efficiency allows

researchers to dedicate more time to data analysis and deriving actionable insights, making microplate readers indispensable for various biological and chemical assays. Key players in the market, such as Agilent Technologies, Inc., Molecular Devices, LLC, and BMG LABTECH, are providing innovative microplate readers tailored for HTS and drug discovery applications. For instance, BMG LABTECH has developed advanced detection technologies like NanoBRET and TR-FRET, which are utilized in high-throughput drug screening.

In August 2023, Lonza introduced the Nebula Absorbance Reader, designed to enhance endotoxin and pyrogen testing. This new reader serves as a high-performance alternative, delivering results comparable to those obtained with Lonza's Nebula Multimode Reader. It is specifically designed to work seamlessly with Lonza's reagents and meets the specifications for their endotoxin assays, including the PYROGENT 5000 and Kinetic-QCL assays, while also supporting readouts for monocyte activation tests such as the PyroCell MAT System.

## **Overview of the European Microplate Reader Market**

The European microplate reader market is segmented into several countries, including Germany, the UK, France, Italy, Spain, and the Rest of Europe. Europe holds a significant position in the global microplate reader market, with expectations of robust growth driven by both government and private funding for research in biologics and pharmaceuticals, as well as the introduction of innovative technologies.

In Germany, the market is particularly influenced by new drug development initiatives and extensive research and development activities. Manufacturers of microplate readers in Germany are focusing on product promotion and awareness strategies. Additionally, the expansion of business operations among market players is anticipated to boost clinical research in the country. For example, in November 2020, Parexel formed a strategic partnership with the Early Phase Clinical Unit (EPCU) Germany and the Clinical Trial Center (CTC) North, aimed at enhancing clinical research capabilities in Germany. The pharmaceutical sector in Germany is experiencing significant growth due to substantial investments and a rising demand for new drugs. Notably, in April 2024, Merck KGaA announced an investment exceeding USD 320.8 million in a new Life Science Research Center at its global headquarters in Darmstadt, Germany. Such investments are expected to facilitate drug discoveries, thereby creating opportunities for the growth of the microplate reader market in Germany during the forecast period.

## **Market Segmentation Analysis**

The European microplate reader market is categorized based on type, application, end user, and country.

**By Type:** The market is divided into single-mode and multi-mode microplate readers. In 2023, single-mode microplate readers held a larger market share. This segment is further divided into absorbance, fluorescence, and luminescence plate readers. The multi-mode microplate readers segment includes filter-based, monochromator-based, and hybrid readers.

**By Application:** The market is segmented into drug discovery, clinical diagnostics, genomics and proteomics research, among others. The drug discovery segment accounted for the largest market share in 2023.

**By End User:** The market is categorized into biotechnology and pharmaceutical companies, hospital and diagnostic laboratories, and research and academic institutions. The biotechnology and pharmaceutical companies segment dominated the market share in 2023.

**By Country:** The market is segmented into Germany, the UK, France, Italy, Spain, and the Rest of Europe, with Germany leading the market share in 2023.

## **Key Players in the Market**

Prominent companies operating in the European microplate reader market include Hercuvan Lab Systems, Molecular Devices LLC, Thermo Fisher Scientific Inc., BMG LABTECH, Promega Corp, Revvity Inc., Bio-Rad Laboratories Inc., Tecan Trading AG, Lonza Group AG, and Agilent Technologies Inc. These companies are at the forefront of innovation in microplate reader technology, contributing to the market's growth and development.

## **Reason to buy**

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players and segments in the Europe microplate reader market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the Europe microplate reader, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth market trends and outlook coupled with the factors driving the market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin security interest with respect to client products, segmentation, pricing and distribution.

## Contents

### **1. INTRODUCTION**

- 1.1 Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Secondary Research
- 3.2 Primary Research
  - 3.2.1 Hypothesis formulation:
  - 3.2.2 Macroeconomic factor analysis:
  - 3.2.3 Developing base number:
  - 3.2.4 Data Triangulation:
  - 3.2.5 Country-level data:
- 3.3 Assumptions and Limitations

### **4. EUROPE MICROPLATE READER MARKET – KEY MARKET DYNAMICS**

- 4.1 Market Drivers
  - 4.1.1 Surging Research and Development Investments in Pharmaceutical Industry
  - 4.1.2 Expanding Applications in Biopharmaceutical Research
- 4.2 Market Restraints
  - 4.2.1 High Cost of Advanced Microplate Readers
- 4.3 Market Opportunities
  - 4.3.1 Growing Emphasis on Point-of-Care Testing
- 4.4 Future Trends
  - 4.4.1 Introduction of New Technologies in Microplate Readers
- 4.5 Impact of Drivers and Restraints:

### **5. MICROPLATE READER MARKET – EUROPE ANALYSIS**

- 5.1 Europe Microplate Reader Market Revenue (US\$ Million), 2021–2031

## 5.2 Europe Microplate Reader Market Forecast Analysis

## **6. EUROPE MICROPLATE READER MARKET ANALYSIS – BY TYPE**

### 6.1 Single-Mode Microplate Readers

#### 6.1.1 Overview

6.1.2 Single-Mode Microplate Readers: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

### 6.2 Multi-Mode Microplate Readers

#### 6.2.1 Overview

6.2.2 Multi-Mode Microplate Readers: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

## **7. EUROPE MICROPLATE READER MARKET ANALYSIS – BY APPLICATION**

### 7.1 Drug Discovery

#### 7.1.1 Overview

7.1.2 Drug Discovery: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

### 7.2 Clinical Diagnostics

#### 7.2.1 Overview

7.2.2 Clinical Diagnostics: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

### 7.3 Genomics and Proteomics Research

#### 7.3.1 Overview

7.3.2 Genomics and Proteomics Research: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

### 7.4 Others

#### 7.4.1 Overview

7.4.2 Others: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

## **8. EUROPE MICROPLATE READER MARKET ANALYSIS – BY END USER**

### 8.1 Biotechnology and Pharmaceutical Companies

#### 8.1.1 Overview

8.1.2 Biotechnology and Pharmaceutical Companies: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

### 8.2 Hospital and Diagnostic Laboratories

### 8.2.1 Overview

8.2.2 Hospital and Diagnostic Laboratories: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

## 8.3 Research and Academic Institutes

### 8.3.1 Overview

8.3.2 Research and Academic Institutes: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

## 9. EUROPE MICROPLATE READER MARKET – COUNTRY ANALYSIS

### 9.1 Europe

9.1.1 Europe Microplate Reader Market – Revenue and Forecast Analysis – by Country

9.1.1.1 Europe Microplate Reader Market – Revenue and Forecast Analysis – by Country

9.1.1.2 Germany: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

9.1.1.2.1 Germany: Europe Microplate Reader Market Share – by Type

9.1.1.2.2 Germany: Europe Microplate Reader Market Share – by Single-mode Microplate Readers

9.1.1.2.3 Germany: Europe Microplate Reader Market Share – by Multi-mode Microplate Readers

9.1.1.2.4 Germany: Europe Microplate Reader Market Share – by Application

9.1.1.2.5 Germany: Europe Microplate Reader Market Share – by End User

9.1.1.3 United Kingdom: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

9.1.1.3.1 United Kingdom: Europe Microplate Reader Market Share – by Type

9.1.1.3.2 United Kingdom: Europe Microplate Reader Market Share – by Single-mode Microplate Readers

9.1.1.3.3 United Kingdom: Europe Microplate Reader Market Share – by Multi-mode Microplate Readers

9.1.1.3.4 United Kingdom: Europe Microplate Reader Market Share – by Application

9.1.1.3.5 United Kingdom: Europe Microplate Reader Market Share – by End User

9.1.1.4 France: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

9.1.1.4.1 France: Europe Microplate Reader Market Share – by Type

9.1.1.4.2 France: Europe Microplate Reader Market Share – by Single-mode Microplate Readers

9.1.1.4.3 France: Europe Microplate Reader Market Share – by Multi-mode

## Microplate Readers

9.1.1.4.4 France: Europe Microplate Reader Market Share – by Application

9.1.1.4.5 France: Europe Microplate Reader Market Share – by End User

9.1.1.5 Italy: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031  
(US\$ Million)

9.1.1.5.1 Italy: Europe Microplate Reader Market Share – by Type

9.1.1.5.2 Italy: Europe Microplate Reader Market Share – by Single-mode

## Microplate Readers

9.1.1.5.3 Italy: Europe Microplate Reader Market Share – by Multi-mode Microplate  
Readers

9.1.1.5.4 Italy: Europe Microplate Reader Market Share – by Application

9.1.1.5.5 Italy: Europe Microplate Reader Market Share – by End User

9.1.1.6 Spain: Europe Microplate Reader Market – Revenue and Forecast,  
2021–2031 (US\$ Million)

9.1.1.6.1 Spain: Europe Microplate Reader Market Share – by Type

9.1.1.6.2 Spain: Europe Microplate Reader Market Share – by Single-mode

## Microplate Readers

9.1.1.6.3 Spain: Europe Microplate Reader Market Share – by Multi-mode

## Microplate Readers

9.1.1.6.4 Spain: Europe Microplate Reader Market Share – by Application

9.1.1.6.5 Spain: Europe Microplate Reader Market Share – by End User

9.1.1.7 Rest of Europe: Europe Microplate Reader Market – Revenue and Forecast,  
2021–2031 (US\$ Million)

9.1.1.7.1 Rest of Europe: Europe Microplate Reader Market Share – by Type

9.1.1.7.2 Rest of Europe: Europe Microplate Reader Market Share – by Single-  
mode Microplate Readers

9.1.1.7.3 Rest of Europe: Europe Microplate Reader Market Share – by Multi-mode

## Microplate Readers

9.1.1.7.4 Rest of Europe: Europe Microplate Reader Market Share – by Application

9.1.1.7.5 Rest of Europe: Europe Microplate Reader Market Share – by End User

## 10. MICROPLATE READER MARKET – INDUSTRY LANDSCAPE

### 10.1 Overview

## 11. COMPANY PROFILES

### 11.1 Hercuvan Lab Systems

#### 11.1.1 Key Facts

- 11.1.2 Business Description
- 11.1.3 Products and Services
- 11.1.4 Financial Overview
- 11.1.5 SWOT Analysis
- 11.1.6 Key Developments
- 11.2 Molecular Devices, LLC.
  - 11.2.1 Key Facts
  - 11.2.2 Business Description
  - 11.2.3 Products and Services
  - 11.2.4 Financial Overview
  - 11.2.5 SWOT Analysis
  - 11.2.6 Key Developments
- 11.3 Thermo Fisher Scientific Inc
  - 11.3.1 Key Facts
  - 11.3.2 Business Description
  - 11.3.3 Products and Services
  - 11.3.4 Financial Overview
  - 11.3.5 SWOT Analysis
  - 11.3.6 Key Developments
- 11.4 BMG LABTECH
  - 11.4.1 Key Facts
  - 11.4.2 Business Description
  - 11.4.3 Products and Services
  - 11.4.4 Financial Overview
  - 11.4.5 SWOT Analysis
  - 11.4.6 Key Developments
- 11.5 Promega Corp
  - 11.5.1 Key Facts
  - 11.5.2 Business Description
  - 11.5.3 Products and Services
  - 11.5.4 Financial Overview
  - 11.5.5 SWOT Analysis
  - 11.5.6 Key Developments
- 11.6 Revvity Inc
  - 11.6.1 Key Facts
  - 11.6.2 Business Description
  - 11.6.3 Products and Services
  - 11.6.4 Financial Overview
  - 11.6.5 SWOT Analysis

- 11.6.6 Key Developments
- 11.7 Bio-Rad Laboratories Inc
  - 11.7.1 Key Facts
  - 11.7.2 Business Description
  - 11.7.3 Products and Services
  - 11.7.4 Financial Overview
  - 11.7.5 SWOT Analysis
  - 11.7.6 Key Developments
- 11.8 Tecan Trading AG
  - 11.8.1 Key Facts
  - 11.8.2 Business Description
  - 11.8.3 Products and Services
  - 11.8.4 Financial Overview
  - 11.8.5 SWOT Analysis
  - 11.8.6 Key Developments
- 11.9 Lonza Group AG
  - 11.9.1 Key Facts
  - 11.9.2 Business Description
  - 11.9.3 Products and Services
  - 11.9.4 Financial Overview
  - 11.9.5 SWOT Analysis
  - 11.9.6 Key Developments
- 11.10 Agilent Technologies Inc
  - 11.10.1 Key Facts
  - 11.10.2 Business Description
  - 11.10.3 Products and Services
  - 11.10.4 Financial Overview
  - 11.10.5 SWOT Analysis
  - 11.10.6 Key Developments

## **12. APPENDIX**

- 12.1 About The Insight Partners
- 12.2 Glossary of Terms

## List Of Tables

### LIST OF TABLES

Table 1. Europe Microplate Reader Market Segmentation

Table 2. Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

Table 3. Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million) – by Type

Table 4. Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million) – by Single-mode Microplate Readers

Table 5. Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million) – by Multi-mode Microplate Readers

Table 6. Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million) – by Application

Table 7. Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million) – by End User

Table 8. Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million) – by Country

Table 9. Germany: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Type

Table 10. Germany: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Single-mode Microplate Readers

Table 11. Germany: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Multi-mode Microplate Readers

Table 12. Germany: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Application

Table 13. Germany: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by End User

Table 14. United Kingdom: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Type

Table 15. United Kingdom: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Single-mode Microplate Readers

Table 16. United Kingdom: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Multi-mode Microplate Readers

Table 17. United Kingdom: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Application

Table 18. United Kingdom: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by End User

Table 19. France: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Type

Table 20. France: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Single-mode Microplate Readers

Table 21. France: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Multi-mode Microplate Readers

Table 22. France: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Application

Table 23. France: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by End User

Table 24. Italy: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Type

Table 25. Italy: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Single-mode Microplate Readers

Table 26. Italy: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Multi-mode Microplate Readers

Table 27. Italy: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Application

Table 28. Italy: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by End User

Table 29. Spain: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Type

Table 30. Spain: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Single-mode Microplate Readers

Table 31. Spain: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Multi-mode Microplate Readers

Table 32. Spain: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Application

Table 33. Spain: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by End User

Table 34. Rest of Europe: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Type

Table 35. Rest of Europe: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Single-mode Microplate Readers

Table 36. Rest of Europe: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Multi-mode Microplate Readers

Table 37. Rest of Europe: Europe Microplate Reader Market – Revenue and Forecast, 2021 – 2031 (US\$ Million) – by Application

Table 38. Rest of Europe: Europe Microplate Reader Market – Revenue and Forecast,

2021 – 2031 (US\$ Million) – by End User  
Recent Growth Strategies in Microplate Reader Market  
Table 39. Glossary of Terms, Microplate Reader Market

## List Of Figures

### LIST OF FIGURES

- Figure 1. Europe Microplate Reader Market Segmentation – Country
- Figure 2. Europe Microplate Reader Market – Key Market Dynamics
- Figure 3. Impact Analysis of Drivers and Restraints
- Figure 4. Europe Microplate Reader Market Revenue (US\$ Million), 2021–2031
- Figure 5. Europe Microplate Reader Market Share (%) – by Type (2023 and 2031)
- Figure 6. Single-Mode Microplate Readers: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 7. Multi-Mode Microplate Readers: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 8. Europe Microplate Reader Market Share (%) – by Application (2023 and 2031)
- Figure 9. Drug Discovery: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 10. Clinical Diagnostics: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 11. Genomics and Proteomics Research: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 12. Others: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 13. Europe Microplate Reader Market Share (%) – by End User (2023 and 2031)
- Figure 14. Biotechnology and Pharmaceutical Companies: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 15. Hospital and Diagnostic Laboratories: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 16. Research and Academic Institutes: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 17. Europe Microplate Reader Market Breakdown, by Key Countries, 2023 and 2031 (%)
- Figure 18. Germany: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 19. United Kingdom: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 20. France: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)
- Figure 21. Italy: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

Figure 22. Spain: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

Figure 23. Rest of Europe: Europe Microplate Reader Market – Revenue and Forecast, 2021–2031 (US\$ Million)

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