

# **Automatic Immunoassay Analyzer Market By Product (Immunofluorescence, Chemiluminescence, Enzyme Linked Fluorescent System, Others) , By Application (Infectious Diseases, Endocrinology, Drug Monitoring, Chronic Diseases, Allergy Testing, Others) By End User (Hospitals, Diagnostic Laboratories, Pharmaceutical and Biotechnology Companies, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

The automatic immunoassay analyzer market was valued at \$12.3 billion in 2023, and is projected to reach \$51.4 billion by 2033, growing at a CAGR of 15.3% from 2024 to 2033.

Automatic immunoassay analyzer is an advanced medical device that performs immunoassays using antigen-antibody reactions to detect and quantify substances such as proteins, hormones, and drugs in biological samples. By automating the entire process, from sample preparation to result interpretation, these analyzers enhance efficiency, accuracy, and throughput in clinical and research settings. They are widely used in diagnostic laboratories, hospitals, and pharmaceutical industries to provide reliable and consistent results, thereby improving the speed and quality of patient care and research outcomes.

The growth of the global automatic immunoassay analyzer market is majorly driven by alarming rise in prevalence of chronic conditions such as cancer, cardiovascular diseases, and diabetes, which necessitate frequent and accurate diagnostic testing.

According to a study published by the World Health Organization in September 2023, cardiovascular diseases are among the most prevalent most chronic diseases, accounting for 17.9 million deaths annually, followed by cancers with about 9.3 million deaths, and diabetes with 2.0 million deaths, including kidney disease deaths caused by diabetes. Furthermore, surge in geriatric population significantly contributes toward the market growth. This is attributed to the fact that as the population ages, there is an increased demand for diagnostic tests to monitor and manage age-related diseases, thereby boosting the market for automatic immunoassay analyzers. As per the World Health Organization, the number of people aged 60 years and older was 1 billion in 2019. This number is estimated to increase to 1.4 billion by 2030 and 2.1 billion by 2050. With increasing aged population, the incidence of chronic conditions is expected to rise significantly. Moreover, rise in awareness about the importance of early disease detection and preventive healthcare is leading to increased use of diagnostic tests, thus driving the demand for automatic immunoassay analyzers. Increase in trend toward personalized medicine, which requires precise and timely diagnostic information, is further accelerating the demand for reliable and high-throughput immunoassay systems. However, high initial investment and maintenance costs of advanced immunoanalyzers and need for regular maintenance, calibration, and technical support restrain the market growth. Moreover, lack of appropriate health facilities to meet population needs in most countries and limited access act as the key deterrent factors of the market. On the contrary, growing trend toward integrating immunoassay analyzers with digital health platforms and electronic health records to streamline data management and improve the overall efficiency of laboratory workflows is expected to offer lucrative opportunities for the market growth during the forecast period. Furthermore, manufacturers are focusing on developing multiplex immunoassays, which allow the simultaneous measurement of multiple biomarkers from a single sample. Such developments are anticipated to open new avenues for the market growth in the coming years.

The global automatic immunoassay analyzer market is segmented into product, application, end user, and region. On the basis of the product, the market is categorized into immunofluorescence, chemiluminescence, enzyme linked fluorescent system, and others. By application, it is classified into infectious diseases, endocrinology, drug monitoring, chronic diseases, allergy testing, and others. Depending on end user, it is divided into hospitals, diagnostic laboratories, pharmaceutical and biotechnology companies, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

## Key Findings

By product, the chemiluminescence segment is expected to dominate the market from 2024 to 2033.

On the basis of application, the infectious diseases segment was the major shareholder in 2023.

Depending on end user, the pharmaceutical & biotechnology companies segment is poised for significant growth in the automatic immunoassay analyzer market in the coming years.

Region wise, automatic immunoassay analyzers are likely to gain high prominence in North America in the near future.

### Competition Analysis

Competitive analysis and profiles of the major players in the global automatic immunoassay analyzer market include Abbott, Meril Life Sciences Pvt. Ltd., BioMerieux, Arlington Scientific, F. Hoffmann-La Roche Ltd, Carolina Liquid Chemistries, Becton Dickinson and Company, Bio-Rad Laboratories, Inc, PerkinElmer Inc., and AESKU.GROUP GmbH. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to sustain the intense competition and gain a strong foothold in the global market.

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Additional company profiles with specific client's interest

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

Key Market Segments

By Product

Immunofluorescence

Chemiluminescence

Enzyme Linked Fluorescent System

Others

## By Application

Infectious Diseases

Endocrinology

Drug Monitoring

Chronic Diseases

Allergy Testing

Others

## By End User

Hospitals

Diagnostic Laboratories

Pharmaceutical and Biotechnology Companies

Others

## By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## Key Market Players

Abbott

Meril Life Sciences Pvt. Ltd.

BioMerieux

Arlington Scientific

F. Hoffmann-La Roche Ltd

Carolina Liquid Chemistries

Becton Dickinson and Company,

Bio-Rad Laboratories, Inc

PerkinElmer Inc.

AESKU.GROUP GmbH

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