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Automated Biochemical Analyzers Market By Analyzer (Biochemistry Analyzers, Immuno-Based Analyzers, Hematology Analyzers) , By Application (Drug Discovery, Genomics, Proteomics, Bioanalyss, Analytical Chemistry, Others) By End User (Diagnostic Laboratories, Pharmaceutical and Biotechnology Companies, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

https://marketpublishers.com/r/A82266038549EN.html
Date: August 2024
Pages: 228
Price: US$ 2,655.00 (Single User License)
ID: A82266038549EN

Abstracts

The automated biochemical analyzers market was valued at $7.6 billion in 2023, and is projected to reach $24.1 billion by 2033, growing at a CAGR of 12.2% from 2024 to 2033.

An automated biochemical analyzer is a laboratory device designed to conduct biochemical tests on various biologocal samples, including blood, urine, or other bodily fluids, thus serving as an essential part of modern clinical laboratories. These analyzers automate the measurement of chemical components such as glucose, proteins, enzymes, and electrolytes, which are essential for diagnosing diseases, monitoring patient health, and guiding treatment decisions.

The growth of the global automated biochemical analyzers market is majorly driven by alarming increase in incidence of chronic conditions like diabetes, cardiovascular diseases, and kidney disorders. According to a study published by the World Health Organization in September 2023, approximately 41 million individuals die each year due to chronic diseases. This growing patient population necessitates frequent biochemical tests, such as glucose and lipid profile assessments, thus driving the demand for

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automated biochemical analyzers. Furthermore, surge in geriatric population significantly contributes toward the growth of the global market. 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. As the global population ages, there is a growing demand for diagnostic tests to monitor age-related diseases and conditions. Automated biochemical analyzers provide a high-throughput solution to manage the increasing workload in diagnostic laboratories. In addition, rise in trend toward decentralized healthcare and point-of-care testing has increased the demand for compact, automated biochemical analyzers that can provide rapid results in non-laboratory settings such as clinics and emergency rooms. With the growing healthcare infrastructure, particularly in emerging markets, there is an expansion of diagnostic laboratories and clinics. This expansion is further augmenting the demand for automated biochemical analyzers to handle the increasing volume of diagnostic tests. However, high cost associated with automated biochemical analyzers, particularly advanced models, restrains the growth of the global market. Moreover, dearth of of trained laboratory technicians and biomedical engineers to operate and maintain automated biochemical analyzers acts as the key deterrent factor of the market. On the contrary, continuous innovations in automation technology, such as the integration of AI and ML, are improving the performance, accuracy, and efficiency of biochemical analyzers. These advancements help streamline operations in clinical labs and are expected to provide lucrative opportunities for the expansion of the global automated biochemical analyzers market durign the forecast period.

The global automated biochemical analyzers market analysis is segmented into analyzer, application, end user, and region. On the basis of the analyzer, the market is fragmented into biochemistry analyzers, immuno-based analyzers, and hematology analyzers. By application, it is classified into drug discovery, genomics, proteomics, bioanalysis, analytical chemistry, and others. Depending on end user, it is segregated into diagnostic laboratories, pharmaceutical and biotechnology companies, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

By analyzer, the immuno-based analyzer segment is expected to dominate the global automated biochemical analyzers market from 2024 to 2033.

On the basis of application, the drug discovery segment is poised to register significant growth during the forecast period.

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Depending on end user, the pharmaceutical & biotechnology companies segment is anticipated to exhibit the highest growth by 2033.

Region wise, North America is projected to lead the automated analyzer market in the near future.

Competition Analysis

Competitive analysis and profiles of the major players in the global automated biochemical analyzers market include Thermo Fisher Scientific, Danaher Corporation, Hudson Robotics Inc., Becton Dickinson and Company, Synchron Lab Automation, Agilent Technologies Inc., Siemens, Tecan Group Ltd., PerkinElmer Inc., and Honeywell International Inc. 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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Regulatory Guidelines

Additional company profiles with specific to 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 Analyzer

Biochemistry Analyzers

Immuno-Based Analyzers

Hematology Analyzers

By Application

Drug Discovery

Genomics

Proteomics

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- Bioanalyss
- Analytical Chemistry
- Others

By End User

- Diagnostic Laboratories
- Pharmaceutical and Biotechnology Companies
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Italy
- Spain

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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

Thermo Fisher Scientific Inc.

Danaher Corporation

Hudson Robotics Inc.

Becton Dickinson and Company

Synchron Lab Automation

Agilent Technologies Inc.

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Siemens

Tecan Group Ltd

PerkinElmer Inc.

Honeywell International Inc.

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