

# Lab Information Management Systems Market Size to Achieve USD 4.15 Billion by 2031, Fueled by a CAGR of 10.9%: Says AMR

*Rise in research & development activities associated with drug discoveries has resulted in a steep surge in the adoption of lab information management solutions*

PORTLAND, OR, UNITED STATES, March 10, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Lab Information Management Systems Market](#) by Product Type (Broad-Based/Multipurpose LIMS, Industry Specific LIMS), by Component (Software, Services), by Delivery Mode (Web-Based and Cloud-Based, On-Premises), by Industry Type (Life Science, Chemical and Energy Industries, Food and Beverage and Agriculture Industries, Clinical Research Organization (CRO)/Contract Manufacturing Organizations (CMO), Others): Global Opportunity Analysis and Industry Forecast, 2021-2031."

According to the report, the global Lab Information Management Systems (LIMS) market is expected to reach **\$4.2 Billion** in 2031, growing at a **CAGR of 10.9%** (2022-2031). The market is driven by the increasing need for efficient laboratory operations, regulatory compliance, and advancements in healthcare and research. The major driving factors include:

1. Growing Demand for Automation in Laboratories

The Lab Information Management Systems (LIMS) Market is experiencing significant growth due to the increasing need for efficient laboratory operations, regulatory compliance, and advancements in healthcare and research. The major driving factors include:

## 1. Growing Demand for Automation in Laboratories

- Laboratories are shifting towards automation to enhance efficiency and reduce human errors.
- LIMS streamlines workflows, sample tracking, and data management, improving productivity.



## 2. Increasing Regulatory Compliance Requirements

- Stringent regulations in industries like pharmaceuticals, biotechnology, and food safety drive LIMS adoption.
- Compliance with FDA (21 CFR Part 11), HIPAA, ISO 17025, and other global standards necessitates robust data tracking and reporting.

## 3. Rising Demand for Data Management & Integration

- Large volumes of lab-generated data require efficient storage, retrieval, and analysis.
- LIMS integrates with Electronic Health Records (EHR), Enterprise Resource Planning (ERP), and other lab instruments to centralize data.

## 4. Advancements in Cloud-Based LIMS Solutions

- Cloud-based LIMS provides remote accessibility, scalability, and cost-effectiveness.
- Growing adoption of Software-as-a-Service (SaaS)-based LIMS in small and mid-sized laboratories.

## 5. Expansion of Pharmaceutical & Biotech Industries

- Rising investments in drug discovery, clinical trials, and personalized medicine require sophisticated data management tools.
- LIMS plays a crucial role in sample tracking, quality control, and regulatory documentation.

## 6. Growth in Diagnostic & Research Laboratories

- Increased demand for diagnostic testing, especially post-COVID-19, is driving LIMS implementation.
- LIMS supports high-throughput testing, automated reporting, and integration with diagnostic instruments.

## 7. Adoption of Artificial Intelligence & Machine Learning

- AI-driven LIMS enhances predictive analytics, workflow automation, and decision-making.
- Machine learning enables real-time data interpretation and anomaly detection in lab processes.

## 8. Need for Cost Reduction & Operational Efficiency

- LIMS reduces manual labor, paperwork, and testing errors, leading to cost savings.
- Automated workflows enhance sample tracking, inventory management, and turnaround times.

## 9. Increasing Focus on Precision Medicine & Genomics

- Growth in genomics, proteomics, and personalized healthcare requires advanced data analysis tools.
- LIMS supports DNA sequencing, biobanking, and molecular diagnostics.

## 10. Government & Industry Initiatives for Digitalization

- Governments worldwide are promoting digital transformation in healthcare and research.
- Funding for smart laboratories and electronic data management systems accelerates LIMS adoption.

For more information on this report, please contact us at [sales@alliedmarketresearch.com](mailto:sales@alliedmarketresearch.com) or visit our website at <https://www.alliedmarketresearch.com/request-sample/53955>

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Our LIMS market research report provides a comprehensive analysis of the market, including the following key findings:-

- Agilent Technologies Inc.
- Illumina Inc.
- Siemens AG
- LabLynx, Inc. (LabLynx LIMS) Inc.
- Genetic Technologies, Inc.
- PerkinElmer, Inc. Inc.
- CreliaHealth Inc.
- LabWare Inc.
- Abbott Laboratories Executive
- Thermo Fisher Scientific Inc.

Our LIMS market research report provides a comprehensive analysis of the market, including the following key findings:-

By product type, the broad-based/ multipurpose LIMS segment contributed to the major share in 2021, holding around three-fifths of the global lab information management systems market revenue. The same segment would also showcase the fastest CAGR of 11.2% throughout the forecast period. This is attributed to the rise in the adoption of broad-based/ multipurpose LIMS across the world. They can collect and share data securely and instantaneously from anywhere to any device.

By delivery mode, the web-based and cloud-based segment accounted for nearly three-fifths of the global lab information management systems market share in 2021, and is expected to maintain the lion's share by 2031. This is because it provides users with the required access to their data from any location and from any device and enables them to store and share data with other users securely.

By industry type, the life science segment garnered the major share in 2021, contributing to around two-fifths of the global lab information management systems market revenue. The same segment would also display the fastest CAGR of 11.3% during the forecast period. This is due to the increased research and development activities in biopharmaceutical industries worldwide.

By region, North America held the major share in 2021, accounting for around two-fifths of the global lab information management systems market revenue. This is owing to the high adoption rate of technologically advanced lab information management system, rise in healthcare expenditure, and the presence of major key players across the region. The Asia-Pacific region, on the other hand, would portray the fastest CAGR of 11.9% from 2022 to 2031. The presence of biotech/pharma laboratories and contract research organizations in this province has increased the demand for laboratory information management systems, which has fueled the market growth.

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- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the lab information management systems market analysis from 2021 to 2031 to identify the prevailing lab information management systems market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the lab information management systems market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global lab information management systems market trends, key players, market segments, application areas, and market growth strategies.

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- Which are the driving factors responsible for the growth of market?
- Which are the roadblock factors of this market?
- What are the new opportunities, by which market will grow in coming years?

- What are the trends of this market?
- Which are main factors responsible for new product launch?
- How big is the global & regional market in terms of revenue, sales and production?
- How far will the market grow in forecast period in terms of revenue, sales and production?
- Which region is dominating the global market and what are the market shares of each region in the overall market in 2022?
- How will each segment grow over the forecast period and how much revenue will these segments account for in 2030?
- Which region has more opportunities?

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- North America  
(U.S., Canada, Mexico)
- Europe  
(Germany, France, UK, Italy, Spain, Rest of Europe)
- Asia-Pacific  
(Japan, China, India, Rest of Asia-Pacific)
- LAMEA  
(Brazil, Saudi Arabia, South Africa, Rest of LAMEA)

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