LabVantage Laboratory Information Management System

Data is the lifeblood of every laboratory. Powerful laboratory information management systems (LIMS) are used to manage and transform lab data into meaningful insights. LabVantage offers the most modern, flexible, and intelligent LIMS to streamline and automate day-to-day operational details of testing, sample storage needs, reporting, and analysis – leaving you to focus on science.

HIGHLIGHTS

- **Enterprise SaaS solution, with pre-validation for regulated users.**

- **Advanced analytics with pre-configured algorithms/use cases to explore and analyze enterprise data.**

- **Unified platform that integrates LIMS with supporting components to increase laboratory productivity and performance.**

- **Implementation accelerators, pre-configured industry functionality, and pre-validation for rapid uptake of LIMS.**

- **Flexible HTML5-compliant architecture with zero footprint, using commonly known programming languages.**

Key Benefits

Organize complexity

LabVantage LIMS provides a comprehensive solution for managing complex laboratory data. With its advanced search capabilities and adherence to industry best standards, LabVantage LIMS ensures worry-free compliance and quality control. Regardless of the size or complexity of your use case, LabVantage LIMS can easily handle the task. Even global organizations with vast sample storage or huge volumes of test results can confidently rely on LabVantage LIMS for sound information management.

Make connections

The robustness of LabVantage LIMS enables seamless integration of people, processes, procedures, and results, resulting in enhanced efficiency and productivity. The LIMS functions as a team member, working hard to help you achieve next-level efficiency, bridging gaps, and eliminating silos. The built-in best practices ensure that your departments and teams become ultra-efficient, leveraging smart operations and data-driven precision.

Subscription model

The SaaS model alleviates upfront CapEx while enabling organizations to scale and stay up-to-date at all times.

Focus on industry specifics

LabVantage LIMS incorporates industry expertise. It is equipped with specific features, functionality, and compliance requirements for select industries, eliminating the need for customizations that may interfere with future upgrades. We provide tailored solutions for several industries, including pharmaceuticals, biobanking, food and beverage, oil and gas, and forensics.
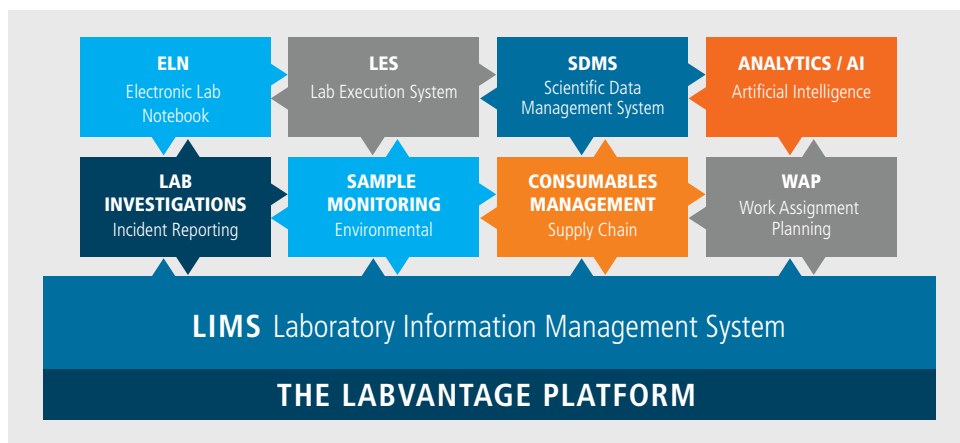
Implement quickly

Pre-configuration and pre-validation enable a swift and effortless adoption of your new solution, leveraging out-of-the-box functionality. According to customer feedback, pre-validation has saved them several months of work.

Enjoy confidence

LabVantage LIMS architecture is highly secure and dependable. We provide support for thousands of concurrent users across multiple devices, including desktops, laptops, tablets, and mobile phones. Our security measures protect against OWASP Top 10 threats, ensuring that your data is always safe and secure.

From Data to Big-Picture Advantages

ELN Electronic Lab Notebook	LES Lab Execution System	SDMS Scientific Data Management System	ANALYTICS / AI Artificial Intelligence
LAB INVESTIGATIONS Incident Reporting	SAMPLE MONITORING Environmental	CONSUMABLES MANAGEMENT Supply Chain	WAP Work Assignment Planning

LIMS Laboratory Information Management System

THE LABVANTAGE PLATFORM

LabVantage LIMS serves as the foundation of LabVantage's laboratory informatics platform, which integrates solutions within a single architecture, licensing model, and services contract. Customers have the flexibility to select and activate specific components, and scale use as needed.

LabVantage LIMS is more than a solution for managing information and data. The benefits reach beyond the laboratory technicians and supervisors to the C-suite, as it is an integral part of an enterprise-wide strategy for intelligent data management. Here are some of the ways our LIMS platform elevates data to a differentiator.

Trust a longtime pioneer

As a pioneer in laboratory informatics for over four decades, LabVantage brings together extensive experience and technology innovation. Our LIMS is highly advanced, utilizing the newest encryption technology, the latest cybersecurity diligence, and tools like an online portal and semantic-enabled and AI-driven analytics.

Embrace the future

We provide the most advanced, flexible, and intelligent LIMS on the market, essential for enterprise-wide digital transformation. With our future-ready technology, you can have the lab of the future today and build your entire data strategy around it.

Differentiate and grow

LabVantage's modern functionality and capabilities enable you to implement advanced practices, process more tests,

manage more samples, speed response time, and improve accuracy. With a lab informatics platform that makes scaling easy and practical, you can expand your offerings and branch into new industries or geographies. Your growth potential is limitless, as our highly flexible solution grows with you.

Turn to a platform

LabVantage LIMS is a comprehensive platform that enables you to manage your enterprise data effectively. The platform offers a range of capabilities, including ELN, LES, and SDMS, which can be leveraged to enhance data management; AI technology that provides greater analysis and insight; as well as Lab Investigations, Monitoring, Consumables Management, and Work Assignment Planning, which can help increase productivity and improve lab performance.

Simplify training and support

With the LabVantage enterprise platform, you have one partner to work with who can get to know your company-wide business needs and specific goals. Our team of experts can provide you with guidance, training, special services, and support, making us your trusted advisor. We can help you manage all aspects of your lab performance, information management, and digital transformation, ensuring that you achieve your desired outcomes.

All of the Critical Features You Need for Smooth Management of Lab Data and Enhanced Lab Productivity and Performance

- Data integrity is maintained by logging, tracking, and storing data and activity logs in LabVantage LIMS, eliminating spreadsheets and paper-based systems that are unreliable and quickly outdated.

- Changes are audited immediately and tracked with time-stamped audit trails so there is no question or doubt about reliability.

- Data is always available in real-time, reflecting up-to-the-minute additions and changes. This eliminates the discrepancies that come from printed spreadsheets that are outdated the moment they are printed.

- Archiving and database partitioning aid in data management and faster database handling.

- Managers can set approval workflows for witnessing, contributors, and worksheet access using eSignatures. This helps ensure proper procedures are followed for quality control.

- Users can move seamlessly between platform components and back, saving time and increasing productivity, while samples and results inherit security and permissions from the LIMS.

- Smooth integration with legacy or third-party solutions is possible, such as with Manufacturing Execution Systems (MES) and Enterprise Resource Planning (ERP) solutions.

- Support is provided for multiple sites, multiple disciplines, and diverse data sets, lab types, and locations, including multiple languages for companies with global distribution.

- Tools to import master data, easing the process of migrating data from legacy solutions, are provided.

- Security and cyber protection against OWASP Top 10 threats are provided so you can be confident your data is safe.

- Organizations achieve compliance with all relevant requirements such as ISO 17025, the FDA, GAMP, HIPAA, GDPR, and CLIA.

- Laboratory operations incidents can be identified, investigated, and reported via a Lab Investigations module.

- Sample collection sites are efficiently designed in a hierarchical manner, while scheduling and monitoring of samples across multiple locations and surfaces is automated.

- The life cycle of laboratory consumables – including reagents, standards, controls, and more – is efficiently managed, leading to supply chain improvements and cost savings.

- The Work Assignment and Planning (WAP) module enables laboratory planners to view current and upcoming projects, and assign tasks based on capacity and workload.

Where Are You Now?

No matter your existing lab management system, we can help you up-level to a modern, robust LIMS.

Are you still paper-based?

It is common for laboratories to become entrenched in their long-time habits and ways of working. This can include the use of paper-based binders and simple spreadsheets, worksheets, and reports. The lab can be a hodgepodge of different systems, each with their own reports and data collection systems. The outcome can be chaotic confusion, frustration, or hours spent on manual tallies, data entry, tedious checklists, and printouts that are hard to read. As the cost of labor increases, paying users to trudge through archaic systems is less practical and not the best use of resources.

Is your data at risk?

Systems can become so convoluted and patched together that only one or two senior people on the team understand the intricacies. Additionally, if a pivotal researcher retires, there may be a frantic search to locate where years of data is stored. Some may even be on personal computers. There is also the risk of a disaster, such as a major fire or flood, resulting in the loss of years of work. Organizations are realizing paper-based systems are not reliable. By turning to LabVantage LIMS, each of the issues related to security, real-time access and data integrity can be resolved. Accuracy and productivity are improved, making it a logical choice.

Do you have a LIMS that is based on old technology?

You may already have a LIMS, but it could be outdated or based on cumbersome technology that is not easily supported. Some LIMS solutions use proprietary architecture that requires you to have a third-party solution to view or access the data. Not only is this extra step awkward, it also creates a security weakness. Trusting your critical data to outdated technology is high risk.

Are you worried about making the transition?

LabVantage simplifies the deployment of a modern LIMS solution, making it easier than you might think. Whether you are implementing your first LIMS or replacing an existing system, we help make the process smooth and hassle-free. Our services team will work with you on identifying goals, defining master data, and choosing which of our industry solutions is right for you. Our solutions are also pre-validated, saving you time. Additionally, many of our industry solutions come with accelerators to help you set up forms, worksheets, and reporting, giving you a head start on the implementation. If you require a personalized solution, we can help with that too.

TO LEARN MORE ABOUT HOW LABVANTAGE LIMS streamlines and automates day-to-day operational details in your labs, contact LabVantage at info@labvantage.com.

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ABOUT LABVANTAGE SOLUTIONS

A recognized leader in enterprise laboratory software solutions, LabVantage Solutions dedicates itself to improving customer outcomes by transforming data into knowledge. Its highly configurable, 100% browser-based platform consists of LIMS, ELN, LES, SDMS, and advanced analytics, supporting seamless deployment into any environment. Serving over 1,500 customers across life sciences, pharmaceuticals, biobanking, food & beverage, forensics, and more, LabVantage Solutions empowers innovation, helps improve product quality, and ensures compliance with industry regulations. Headquartered in Somerset, NJ, with offices worldwide, LabVantage Solutions has driven laboratory digital transformation for over 40 years.

For more information, visit www.labvantage.com.