



LabVantage Medical Suite: Pathology

LabVantage Medical Suite: Pathology, part of a complete, state-of-the-art laboratory information system (LIS), uniquely supports the pathology laboratory workflow, covering the specialties of histology, cytology, diagnostics, and mortuary.

HIGHLIGHTS

- **Module of LabVantage Medical Suite, a truly integrated LIS**
- **Aligns pathology with other medical lab disciplines in a single platform**
- **24/7 access, supervision, and management of entire pathology lab process**
- **Seamless integration and data exchange with lab equipment, EMR and EHR systems, and outside organizations**
- **Compliance with HIPAA and IRB protocols in a secure, digital environment**

Key Benefits

Standard architecture and a configured solution

LabVantage Medical Suite: Pathology is a standard product that can be configured for unique needs. Configured installations adapt to how a lab works while at the same time residing in a common architecture. Standardization enables easy upgrades plus the consistency of a common source code, which is continuously maintained, further developed, and validated for release by LabVantage.

Anywhere, anytime access using a web browser

Our pathology solution is based on modern, industry-standard architecture and has a 100% web-based user interface. Authorized users can sign in from any location using a web browser, and no local workstation installations are required.

Integration with the pathology work environment

Connectivity between instruments, processes, and workflows enhances rapid and reliable pathology data management. Medical Suite can import data from external systems, such as EMR/HIS, using standard XML, HL7, and EDIFAC communication formats. Requests and reports can be transmitted in structured format and can be integrated with speech recognition and digital dictation software, as well as sample instruments like auto-stainers and slide printers.

LabVantage Medical Suite: Pathology Advantages

Unique identifiers connect all objects and samples

Within LabVantage Medical Suite: Pathology, all samples, blocks, and slides are identified with a unique ID. Encoding and printing barcodes onto objects preserves chain of custody plus allows convenient reference at any step in the laboratory process. Laboratory requests and different types of containers can also be uniquely identified.

Use written or electronic laboratory orders

The system supports either paper-based or electronic lab requests. Paper requests can be typed in manually or scanned, processed with Optical Character Recognition, and attached to Requests within Medical Suite. A portion of the request, such as anamnesis records, can be displayed directly in the user interface.

Grossing with integrated worklists, views, and archiving

Use of worklists and dedicated views to document grossing-phase details provides useful versatility, including integrated speech recognition. Digital dictation, macro camera photos, and annotation of digital images are all linked to their specific case and are automatically archived for later reference.

Embedding, slicing, and staining validated

Specific worklists enable step-by-step registration of embedding, slicing, and staining events. The user may enter remarks, which are saved with the sample for later reference. Detailed time stamps of the performed work are saved, including user acknowledgments of individually processed samples. Deviations in the processing of even a single slide are escalated all the way up to the case level.

Case documentation enables convenient teamwork

LabVantage Medical Suite keeps track of the number and types of cases distributed to individual pathologists, doctors, or groups of doctors. It allows check-out of laboratory samples, and will record their distribution to a subcontractor for analysis. Electronic referrals and statements are also fully supported.

Delivering flexible patient-centric case analysis

Through a patient-centric view, pathologists can access and analyze all relevant notes or observations entered during the pre-analytical process. This information may be macroscopic images and related annotations, sample preparation deviations, and any data or processing notes. The pathologist can directly access all other samples and diagnoses for the same patient, either historical or ongoing.





Digital pathology pulls it all together

LabVantage Medical Suite: Pathology gives pathologists direct access to all digital slides and macroscopic images related to the case. Through integration of a Whole Slide Image (WSI) viewer application, case-related digital slides can be displayed automatically, without the need for a single click or image search. When using a two-screen workstation, the pathologist can simultaneously view case details in LabVantage Medical Suite and related images with the image viewer on a second screen.

Patient safety is ensured through closing of images when the pathologist changes the case in LabVantage Medical Suite: Pathology.

Versatile reporting formats fit many circumstances

In LabVantage Medical Suite: Pathology, case reporting may consist of free text, standard text phrases, SNOMED diagnosis codes, and structured answer templates. A single report may contain one or more diagnoses, which can be amended or changed during analysis, as necessary. The system can also propose diagnoses that are pre-filtered based on differentiating criteria.

Our system supports answer templates, which can be tailored to each laboratory's specific needs. Templates may contain mandatory fields that need to be filled in before the case can be reported. Field validation with pre-set criteria is available.

The final report can include referral text from the original request, any answer templates, free text statement, and SNOMED-coded diagnoses. Preliminary, additional,

or complementary statements also can be created and reported to the requester. All reports, even intermediate versions, are permanently archived in the system.

Electronic approval and signing

Formal approvals can require electronic signatures, for example on final approval of an answer report. A signature can be required from one or more persons. The electronic signatures within the LabVantage Medical Suite meet stringent regulatory requirements.

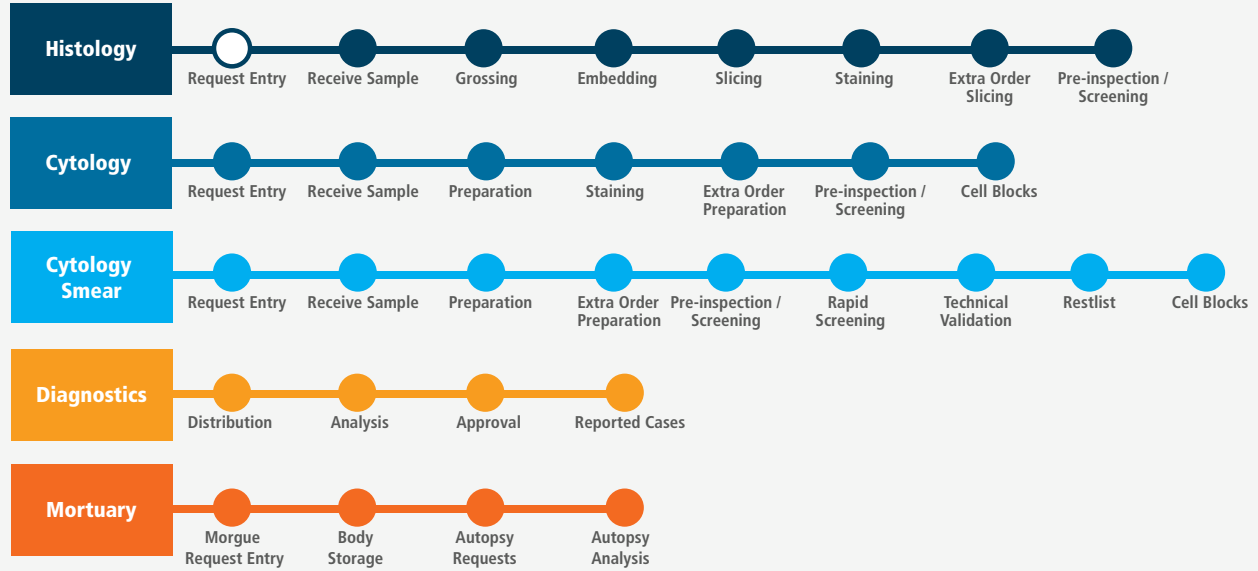
Samples and records under managed storage and convenient retrieval

Built-in storage management keeps track of storage locations and events related to tissues, cassettes, and slides. Patient consent data can be linked to samples. The system also documents patient consent management for various legal requirements, as patients may restrict the use of their specimens to a specific purpose, or completely deny any use. Samples and consent files also can be exported to an external biobank registry.

Audit trail adds to confident regulatory compliance

A comprehensive end-to-end audit trail, which records and stores every event in the system, allows the laboratory to check what was changed, when, why, and by whom to meet any regulatory, evidentiary, or validation requirements.

LabVantage Medical Suite Tramlines Represent Pathology Workflows



All Medical Suite functions are organized in lab-centric tram stops, which are grouped in tramlines representing actual pathology workflows. This intuitive approach provides quick access to all functions, making it easy to both learn and use.

An integrated pathology platform

LabVantage Medical Suite: Pathology offers the advantages of digital innovation to your pathology lab. As part of one truly integrated LIS, it aligns the pathology lab with other medical disciplines in a single platform for greater ease of use and compliance.

TO REQUEST A DEMO OR GET ANSWERS to your questions, visit labvantageclinical.com or contact us at info@labvantage.com



LabVantage Solutions, Inc.
265 Davidson Avenue, Suite 220
Somerset, NJ 08873
Phone: +1 (908) 707-4100

www.labvantage.com

ABOUT LABVANTAGE SOLUTIONS

A recognized leader in enterprise laboratory software solutions, LabVantage Solutions dedicates itself to improving customer outcomes by transforming data into knowledge. The LabVantage informatics platform is highly configurable, integrated across a common architecture, and 100% browser-based to support hundreds of concurrent users. Deployed on-premise, via the cloud, or SaaS, it seamlessly interfaces with instruments and other enterprise systems – enabling true digital transformation. The platform consists of the most modern laboratory information management system (LIMS) available, integrated electronic laboratory notebook (ELN), laboratory execution system (LES), and scientific data management system (SDMS); and, for healthcare settings, a laboratory information system (LIS). We support more than 1500 global customer sites in the life sciences, pharmaceutical, medical device, biobank, food & beverage, consumer packaged goods, oil & gas, genetics/diagnostics, and healthcare industries. Headquartered in Somerset, NJ., with global offices, LabVantage has, for four decades, offered its comprehensive portfolio of products and services to enable customers to innovate faster in the R&D cycle, improve manufactured product quality, achieve accurate record-keeping, and comply with regulatory requirements.

For more information, visit www.labvantageclinical.com.