

Centricity Laboratory

Feature List



A robust information system

Centricity® Laboratory Information System (LIS) is designed to handle the high-volume, test-processing needs of mid- to large-sized laboratories. This UNIX®-based system has been deployed at over 220 labs around the world ranging from a single facility to complex, multi-facility enterprises. The system is highly configurable, allowing customers to implement site-specific requirements, as well as scale the system for growth with minimal effort/cost.



imagination at work

The core modules of the Centricity Laboratory Information System include:

- Chemistry
- Hematology
- Urinalysis
- Coagulation
- Serology
- Immunology
- Phlebotomy
- Billing
- Outreach

Core functionality contained within these modules includes:

- Single and multi-lab functionality
- Fully integrated patient registration and order entry
- Specimen collection and processing
- Result entry
- Reflex testing
- Complete specimen tracking
- Comprehensive audit trails
- Patient result inquiry and reporting
- Telephone management system and fax reporting
- Management reporting
- Billing setup and maintenance
- Workload statistics
- Security system
- Interpretive diagnostic reporting/expert system
- Validation (supervisory review)
- Extensive long-term storage of data
- Live system backup

Optional integrated modules to provide additional diagnostic and administrative capabilities:

- Microbiology
 - Paperless workcard
 - On-line infection control
- Anatomic Pathology/Cytology
 - Imaging
 - Conferencing
 - Full unique barcoding for all AP material
- Transfusion Medicine
 - ISBT compatible
 - Multi-site capability
- Quality Control
 - Full Levy-Jennings graphs
 - Automatic calculation of means, standard deviation, CVs and ranges
 - User-defined Westgard rules

- Automatic registration of control values from interfaced instruments
- Full audit trail
- Entry of qualitative QC results

Tools to make day-to-day operations more efficient

- Rules-based logic for workflow customization and automation
- Tools to ease building and maintaining system files
- Complete audit trails of all changes and updates to the database
- Integration of standard report writing software provides the ability to create an unlimited number of management reports

Centralized-information access in distributed environments

- Outreach system provides the complete functionality for specimen tracking, management and reporting
- Proven capability to facilitate the routing and tracking of specimens from ordering locations to the preferred performing locations within a multi-facility enterprise

Providing seamless laboratory data flow through integration

- Standard interfaces to third party systems for ADT, order entry, status updates, results reporting and billing
- HL7 compliant interfaces and support for multiple interface engines
- Uni- and Bi-directional instrument interfaces

With nearly 20 years of providing Laboratory Information Systems, GE Healthcare has successfully implemented Laboratory Information Systems around the world in some of the most complex, multi-facility enterprises. Our experience in software development, system integration, network services, project management, training and support provides you with a strong partner to help achieve current and future goals.

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