

STARLIMS CLINICAL SOLUTION

A modern laboratory information management system designed to simplify complex processes and provide laboratories actionable information



STARLIMS (LIMS) solution can help you adapt to changes and seize opportunities to improve patient care and operational performance to succeed in your lab.

Enhance Lab Operations

The laboratory is a strategic asset for your organization. Laboratory data comprises the majority of medical records and is critical for accurate diagnoses. Physicians depend on reliable laboratory result data to deliver optimal care. Efficiency is critical for laboratory success; it enables your lab to ensure patient safety, reduce operating costs and increase revenue. STARLIMS offers a powerful STARLIMS solution suite for clinical laboratories, which includes configurable tools to manage complex testing workflows, enforce rules-based actions, promptly format and deliver laboratory results to clinicians by their preferred method, track and route bar-coded specimens within the lab and across the network for more efficiency, as well as distribute and manage bio specimen inventories.

Grow Lab Volume and Outreach

STARLIMS solution gives you the tools to increase capacity and leverage resources to grow your laboratory business. Our solution will improve lab efficiency and increase cost savings by using modern technology to generate specific rules that further automate processes such as reflex testing, auto approval, and Double Blind Data Entry (DBDE).

Web and Cloud-Based Solutions for Rapid Deployment

STARLIMS Cloud Services features the innovation of STARLIMS' web-based LIMS, combined with the virtually worry-free, cost-effective reliability of a cloud-based solution with full connectivity. STARLIMS V11 was built from the ground up as an entirely web-based solution, leveraging XML and other advanced internet technologies. STARLIMS v11's familiar user interface simplifies both user training and implementation in new

sites or new parts of the organization. Multi-site deployment is also facilitated, thanks to web-based technology. In addition, the inherent flexibility of the system means that changes to business needs and laboratory practices can be supported and implemented without losing existing functionality or data.

Mobile Applications

Access your lab remotely and stay connected. STARLIMS mobile offering gives you the ability to control your lab on the go, increasing productivity and efficiency. From desktops to tablets to smartphones, STARLIMS functionality travels. Now you always have the right screen for the task. The mobile solution is optimized for a wide range of screens and devices. It can also be optimized for your lab processes. From out-of-the-box apps to ones you can custom design to fit your lab's needs, your mobile device can be a powerful productivity tool.

Advanced Analytics

Accelerate your lab by transforming your data into actionable insights. STARLIMS Advanced Analytics offering helps you increase your lab's overall productivity and efficiency. From powerful visualizations that more clearly illustrate key activities to predictive analysis capabilities that help you anticipate critical events, Advanced Analytics gives you the insight you need to manage your lab. And when you have better information, you can provide a better lab environment for you and your colleagues.



Patient Management

Flexible patient query tools; centralized management of demographic details, including family genealogy; patient merge tool; patient alerts and flags that can be displayed at test ordering or accessioning. Easy access to patient history. Easy data entry with support for scanned image entry.

Rules Manager

STARLIMS provides a comprehensive, rules-driven process using an intuitive workflow that can be automated. STARLIMS allows you to create triggers that help your staff navigate a testing and handling pathway defined by your best practices. Rules can be applied at accessioning, resulting, authorization and at reporting stages. STARLIMS also has an additional feature that allows you to use an interactive graphical tool to create rules. The system





enables creation of rules and triggers that drive specific lab processes, ensuring consistent performance and reducing errors.

Clinical Order Management

Customer-configurable, template-driven accessioning screens for test requests and specimens; test order frequency alerts; reflex tests; delta checking and configurable reference range criteria (e.g., age, gender, clinical study, diagnosis, etc.).

Sample Tracking Management

Specimen annotation from multiple sources; powerful query capability to identify specimens of interest; management of pull lists, specimen preparation, transfer, shipping and disposition; aliquot/derivative and pooled sample tracking.

Microbiology

Decision support tools; infection control management; surveillance of antibiotic resistance and infectious disease tracking; and configurable result approval and release workflows. Support for microarray testing with interpretive reporting for reaction patterns.

Immunology Plate-based Testing

Configurable well plate definition, including blanks, standards, controls, and unknowns; plate workflow management tools; visualization tools; and interfaces to plate-based instrument software.

Clinical Genetics/Molecular Biology

Sample lifecycle management, including flexible pre-login/login sample registration options; extraction/normalization management, plate handling, including plate configuration and plate workflow management; patient management including pedigree. Integration with DNA sequencers and other equipment.

Quality Control Management

Advanced tools for integrated QC functionality, including QC material lot number and expiry handling, delta checking, and Levey Jennings plots.

Reporting

Report formatting that is entirely configurable by the lab. Support for HL7 web-based reports. Integrated remote access for clinicians providing fully secure access to reports.

SDMS

Scientific Data Management System for centralized management of documents, sophisticated lifecycle management and automatic document routing and indexing; unique parsing and recognition technology that transforms a variety of documents or files into searchable structured information.

Remote Access

Web access for streamlined accessioning and for specimen pre-login, data entry, and test ordering at the site where the specimen is collected. Online reporting for convenient and timely access to specimen testing status and results.

Billing

Comprehensive invoicing and billing for management of all types of private and commercial billing. Automatic generation of claims and individual patient invoices. Automatic batch management provided with support for integrated transfers. Easily interfaces with external billing systems.

Clinical Study/Trial Management

Fully integrated functionality for management of clinical studies/trials. Definition of study-specific reference ranges, visit/time point-based rules for testing, kit production and distribution management, specimen collection, and data validation, contact management for clinical sites, and reporting and blinding rules.

Material Management

Inventory tracking, supplier management, COA/QC testing, chain of custody, materials distribution, and traceability of test results to standards and reagents used.

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