



## A shared vision for **PUBLIC HEALTH**

STARLIMS offers a web-based solution designed to manage the operations of multidisciplinary Public Health Laboratories (PHL). STARLIMS V10 is an enterprise-level information system that brings together all PHL activities into a single platform, offering comprehensive public health reporting, surveillance and networking capabilities conforming to national and international standards.

### *A Global Leader in Public Health Information Systems*

STARLIMS is the front-running LIMS provider in the Public Health sector. Advanced web-based capabilities are enhanced by specialized tools and wizards, resulting in flexible solutions that enable PHLs to manage large amounts of data while also meeting stringent accreditation requirements.

### *A Comprehensive Solution Suite for Public Health Organizations*

Actively involved in United States and international public health laboratory projects, STARLIMS has incorporated into its public health solutions comprehensive tools for managing the information supporting PHL laboratory and business processes in a manner consistent with guidelines set forth by the United States Centers for Disease Control and Prevention (CDC) and the United States Association of Public Health Laboratories (APHL). The nature of STARLIMS's relationship with the Public Health sector is a committed partnership, assuring that new functionality and content developed for one PHL is accessible to all our PHL partners. STARLIMS V10 offers comprehensive public health reporting and surveillance capabilities conforming to national and international standards.

### *Truly Web-based Solutions for Instant Global Deployment*

STARLIMS V10 is fully web-based and uses familiar user interfaces; simplifying both user training and implementation in new sites or new parts of the organization. Global and 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. Web-based interfaces also make it possible to submit samples and request results online—dramatically reducing submission errors and queries to lab personnel.

### *Proven Success in Genetic Screening*

STARLIMS has also achieved considerable success in the area of genetic screening and the management of genetic samples and information in both research and health authorities. The comprehensive sample and information management capabilities of the system, combined with support for genetic analysis, plate management and instrument interfacing, make STARLIMS V10 the ideal solution for the management of this type of information.

## Unique Solutions for Microbiology Testing

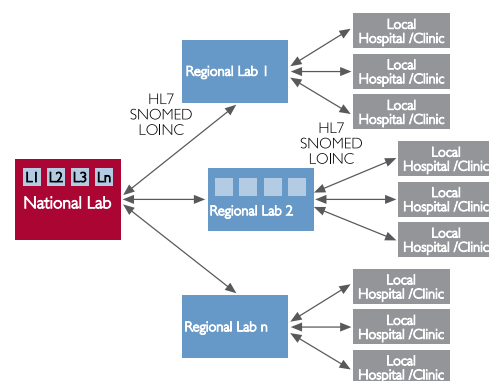
STARLIMS has developed a complete application for the complex workflows needed in Microbiology and Virology disease identification. Most LIMS packages require preconfigured tests with possible results to be added to individual specimens. This model breaks down when doing Microbiology or Virology disease detection that may result in the identification of multiple isolates, each of which needs processing through a complex hierarchy of testing to confirm identification. The unique STARLIMS Microbiology module allows the user to predefine all possible testing that may be needed to identify a possible disease. During the testing process the user can select from various media, identify multiple isolates and run testing on each isolate for identification. The data is presented to the user in a tree structure, so that all of the steps that went into the disease identification are easily observed and the result of each step is clearly visible. At the end of the process a conclusion is reached, and reports are issued.

## STARLIMS Public Health Partners

- World Health Organization
- UK National Health Services
- US Coordinating Center for Infectious Diseases
- Ministry of Health of Jamaica
- Ministry of Health of Malaysia
- Ministry of Health of Romania
- Health Sciences Authority of Singapore
- Center of Disease Control of Yangpu District (Shanghai)
- Public Health Laboratory organizations in the United States: Arizona, Arkansas, California, Hawaii, Indiana, Louisiana, Maine, Maryland, Michigan, North Carolina, North Dakota, Pennsylvania, Tennessee, Vermont, Virginia, Washington, West Virginia, Wyoming, San Diego County
- Lilly MDR TB program
- University of Edinburgh, Genetic Core
- University of Liverpool, Dept. of Pharmacology

## Key Features and Benefits

- Support for laboratory and business processes identified by APHL and Public Health Informatics Institute (PHII) 2003 publication, "Requirements for Public Health Laboratory Information Management Systems"
- Management tools for common coding vocabularies such as Regenstrief Institute's ([www.regenstrief.com](http://www.regenstrief.com)) Logical Observation Identifiers Names and Codes (LOINC) and College of American Pathologists' (CAP) ([www.snomed.org](http://www.snomed.org)) Systematized Nomenclature of Medicine (SNOMED)
- Multi-discipline sample accessioning and Meta data recording
- A repository for analytical process Best Practices
- Workflow design and management
- A collaboration platform for exchanging data and system content
- Tools for managing information related to mutual assistance, surge capacity and disaster recovery
- Full support for bar-coding for sample tracking and location management
- Comprehensive tools for managing and supporting microbiological testing
- Comprehensive tools for managing genetic screening and research projects
- Integration with equipment typically found within Public health laboratories including clinical analyzers, automated sample storage systems, and liquid and plate handling systems
- Integration with other systems through the use of a Web Services approach



STARLIMS is a proven framework for regional and national public health information networks. Compliant with HL7 messaging protocols, it uses LOINC and SNOMED as the common vocabulary for test names and observations.

### STARLIMS Corporation

4000 Hollywood Blvd. #515S  
Hollywood, FL 33021-6755 USA  
Tel: +1 954 964 8663  
Fax: +1 954 964 8113

### Regional Centers

North America Tel: +1 954 964 8663	Europe Tel: +31 72 511 8100
Latin America Tel: +1 954 964 8663	Asia Pacific Tel: +852 8208 0830

**STARLIMS**<sup>®</sup>  
[www.starlims.com](http://www.starlims.com)