

LABSOLS LIMS

Lab Information Management System



LAB INFORMATION MANAGEMENT SYSTEM

LABSOLS

www.microbiology-lims.co.uk

Introduction – Industry, Challenges and Expectation

Current State of Microbiology Labs - Microbiology testing laboratories faces wide array of challenges in day to day operations. The difficulty to meet compliance and increase effectiveness within this market is at an all time high. With highly complex laboratory processes already in place, the Medical, Pharmaceutical and Biotechnology industries are faced with serious challenges.

Challenges of Microbiology Labs - One of the challenges in selecting a LIMS in pharmaceutical industry is due to wide diversity of laboratories in a company. Combinatorial chemistry, screening, preclinical and clinical bio-analysis, analytical chemistry, manufacturing R&D and production quality control (QC) all have unique needs and workflows. However, end users seeking a solution to their business needs are often challenged by upper management to somehow 'make do' with a system already used in another part of the company.

Expectation of Microbiology Labs - In general, the industry is rapidly acknowledging that one tool cannot possibly meet the needs of these diverse users. True solutions must solve the business pain of the end users. Complex test methods with multiple-stage acceptance criteria must be automated as much as possible. Pharmaceutical product testing is highly batch-oriented; therefore, any potential solution for the manufacturing area must include batch management capabilities. Preclinical and clinical bio-analysis is very protocol-driven; therefore, solutions for these laboratories should be designed with an understanding of the study protocol.



Solution – LIMS (Laboratory Information Management System) from Labsols

Labsols offers scalable end-to-end solutions for Pharmaceutical industries that allow your business to be more competitive, bring products to market faster, achieve operational efficiencies and meet your regulatory commitments more easily.

Labsols LIMS make sure that the information you need is available when and how you need it. With well organized processes, Labsols LIMS offers an excellent laboratory management platform that meets the complex requirements of a modern microbiology laboratory. It allows your business to be more competitive, bring products to market faster, achieve operational efficiencies and meet your regulatory commitments more easily.

Labsols LIMS is a totally web based and highly configurable and flexible solution for these industry testing laboratories. Labsols LIMS takes care of Total Business Process & Workflow Automation activities of these Labs. The solution handles laboratories, functions and procedures.

Sample Management & Tracking, Testing with test suites and methods, Workbooks, Quality Control, Test Result Printing, Report Generation, COA, Invoicing, Document Management, KPI, Reports, MIS etc.

Key Benefits - LIMS from Labsols

- Eliminating [paper-based and manual activities](#) from lab operation reducing errors.
- [No skills required](#). User friendly and very easy to access in minutes.
- This gives flexibility for any kind of system [to connect to our Application](#).
- Faster [turnaround of information](#) release by [automating](#) sampling, testing, result entry functions
- Effective manage of [resource and time](#) for lab people with availability of KPI via dashboards
- Quick access to [on-demand reports](#) and trends on quality data with powerful reporting tools
- Advance [quality assurance and control](#) with SPC and control charting
- Freedom from [critical lot and batch management](#) with excellent sample tracking
- Better Quality control. [Enterprise-level informatics](#) with advance analytics
- Run in your way. [Highly configurable](#) for ease of use across functions
- [Quick, advanced reports](#) to fit each client's specific needs at the push-of-a-button
- [Automated notifications](#) for fast complex environmental deliverables
- Full data security, integrity and [complete compliance](#) including streamlined auditing process

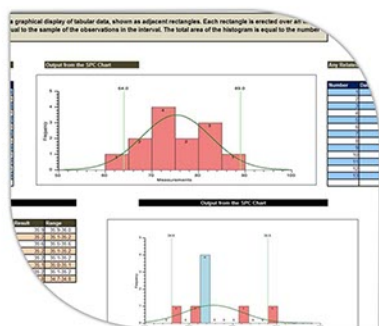
Solutions Features

Sample Management

- ◆ Sample Submission, Receipt & Registration
- ◆ Sample Storage & Sample Location Management
- ◆ Sample Review and Approval
- ◆ Sample Tracking, Test Allocation, Reports

Testing & Result Management

- ◆ Test Allocation, Workflow & Workbook Creation
- ◆ Test Execution & Result Entry
- ◆ Testing Data & Reports



QACM (Quality Assurance & Control) Management

- ◆ Testing Results & Certificate of Quality/Assurance

Statistical Process Control (SPC) Management

- ◆ Statistical Quality Control and Control Charts
- ◆ Historic data for trend analysis

Reporting Management

- ◆ View Reports – Simple, Customized, Historical, Statistical
- ◆ Self Report Building and creation with templates

Document & Communication Management

- ◆ Manage and view documents with document manager M-Files
- ◆ Document tracking, filtering, Import/Export
- ◆ Communication across the lab and customers on instances and events



Account Management

- ◆ Invoicing for samples to customer

Issue & Support Management

- ◆ Issue logging & tracking against samples, others
- ◆ Support log against ticket and information

Add-on functionalities & modules

- ◆ Static Data Management
- ◆ Data Lifecycle Management

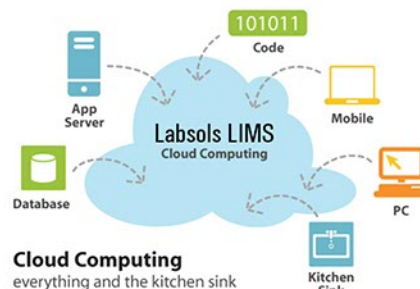
Architecture & Implementation

Labsols LIMS is one of the most latest technically advanced Laboratory Information Management System to the market, and it is tighten its position hold with present happy customers in different domains.

Our **LIMS** is web based application powered by Microsoft Cloud Computing. It is now in Windows Azure Platform to gives customers and client opportunity to enjoy the maximum benefits of cloud including data storage, security, cost saving for installation and IT infrastructure etc. It can also be hosted in company's local environment.

LIMS is hosted in cloud platform that will enable users to get the maximum benefits of the cloud based solution. Following are some of the advantages:

- The application can be hosted with an organization's existing IT environment
- Organizations can store as much documents in a cloud based system as well as share data when needed
- Users of the application can access the solution anywhere
- It will also eliminate the need for extra IT personnel, which will result in time savings as well as cost savings by almost 60%



Comprehensive LIMS Implementation

Proper LIMS implementation ensures the best use of your lab resources. Labsols provides you with a comprehensive and customized implementation solution for your lab. The LIMS implementation is comprised of 4 major aspects:

- LIMS Business Analysis
- LIMS Project Management
- LIMS Configuration
- LIMS Customization

Defining Requirements and Designing an Implementation Plan

Properly defining the current and future requirements of your laboratory is crucial for successful LIMS implementation. By defining the requirements clearly, our LIMS implementation specialist team ensures that a flexible and scalable LIMS is implemented to your lab.

Once the requirements have been clearly defined, we design a LIMS implementation plan which is another key feature of our successful LIMS implementation. We use a thorough checklist prior to installation to collect the lab requirement details. These can vary from producing custom reports and utilizing things like scanners & data loggers to enterprise systems integration and reporting.

Great success stories with happy Customers

IntertekThe Lloyd's Register logo, featuring the text 'Lloyd's Register' in a blue serif font, with horizontal lines above and below the text.The Envirodyne Laboratories, Inc. logo, featuring a blue stylized 'ELI' monogram above the text 'Envirodyne Laboratories, Inc.' in a smaller blue font.

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