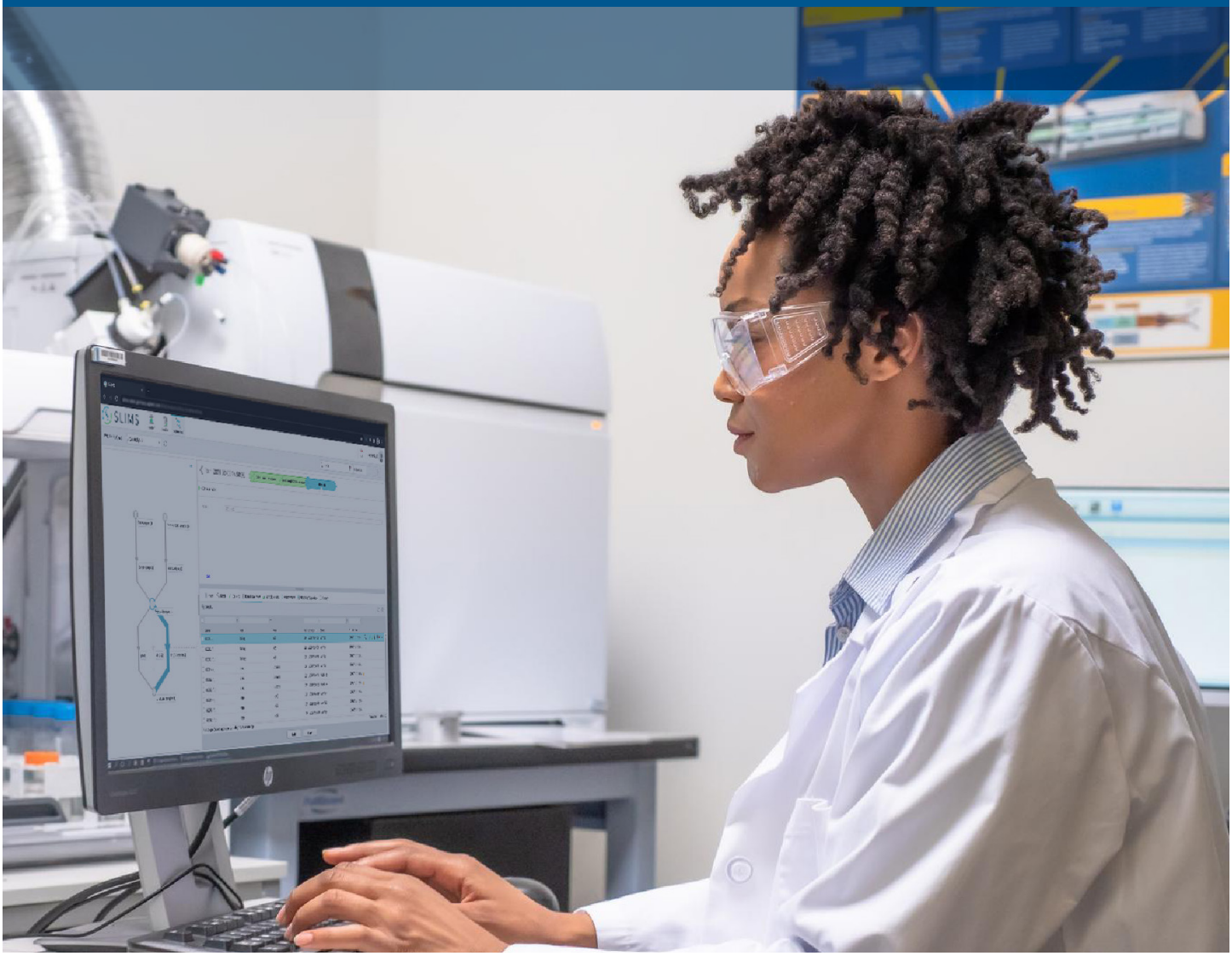
Agilent

Trusted Answers

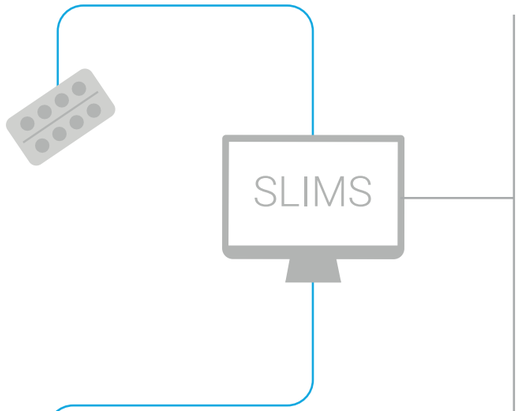
Agilent SLIMS for Pharmaceutical Laboratories

From start to finish, we've got you covered.



Manage Your Entire Workflow, and Your Entire Lab

Pharmaceutical laboratories need to track their activities from an initial request to a finalized report. Generally, these labs follow similar-looking procedures – and yet no two labs are the same. You need a solution that is specifically fitted to your lab. Agilent SLIMS brings the best of a laboratory information management system (LIMS) and of an analytical electronic lab notebook (ELN) into a lab execution system (LES) that matches your laboratory's processes and provides an end-to-end workflow solution ready for compliant environments.



Track information end-to-end

SLIMS modernizes the management of samples, procedures, and results. Your lab personnel is guided through the workflows and can collaborate naturally. SLIMS makes data instantly accessible to authorized lab personnel and managers, even remotely.

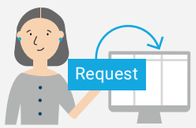
Streamline data management

Results are transmitted from your analytical instruments, and from many of your lab devices such as balances, pH meters, titrators... Answers are consolidated from your Agilent or non-Agilent lab software packages.

Adjust to your needs

With a flexible data model that captures all the relevant metadata, and a workflow module that meets the complexity of your procedures, SLIMS will fit to the needs of your lab.

Connect with your clients

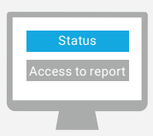


Standardize request submission

Your clients, both internal and external, have an easy way to submit an Analysis Request. They just need to login with their web browser, define their samples and pick their tests.

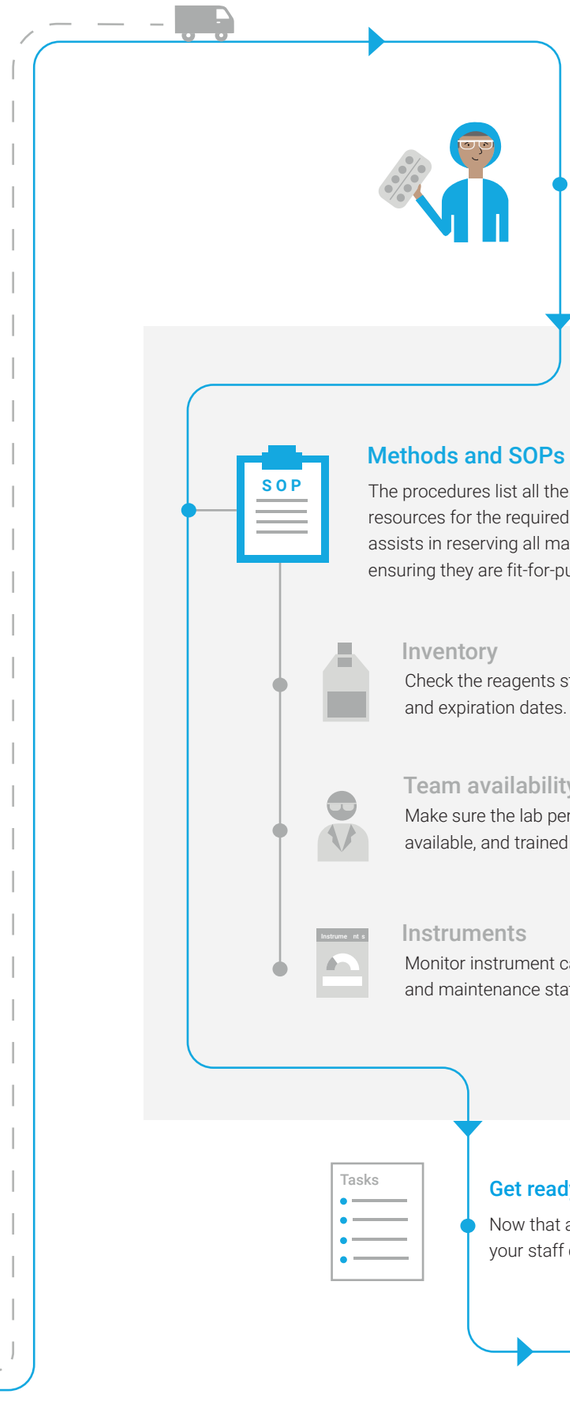
Communicate shipping instructions

You can provide shipping instructions based on the nature of the sample. A submission report with a barcode is generated and can be shipped together with the samples for traceability.



Share status, and results

Let your clients access the status of their requests, and access the final reports, as soon as they are ready.



Receive sample

When the sample is received, SLIMS retrieves all information by scanning the barcode. The system also automates the intake process by determining the appropriate storage format and guiding the user through registration and aliquotation.

Methods and SOPs

The procedures list all the necessary resources for the required analysis; SLIMS assists in reserving all materials, and ensuring they are fit-for-purpose.

Inventory

Check the reagents stock and expiration dates.

Team availability

Make sure the lab personnel is available, and trained on the techniques.

Instruments

Monitor instrument calibration and maintenance status.

SLIMS advantages for pharma labs

For labs already using a LIMS, SLIMS complements your existing system, providing a digital coverage of all your activities in the lab.

For labs with no LIMS, SLIMS gives you everything you need to track and manage samples, specifications, analysis and results.

For pharma labs of all sizes, SLIMS has the capabilities to transform your paper-based lab into an electronic workflow and connects your instruments, data systems, and procedures with your existing systems.

Get ready

Now that all lab resources have been verified, your staff can begin the work in the lab.

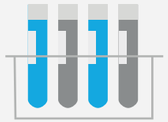
Setup preparation

Capture sample metadata

The system captures the relevant information about your own types of samples, with all corresponding metadata you choose to use.

Trace sample history

SLIMS keeps track of linkages between samples. Aliquots and dilutions are specific derivations where volume and concentration can be tracked.



Track sample location

SLIMS finds the best location for the sample depending on its type or status.

SLIMS includes its own barcode label designer so every sample derivate has its own identifier.

Comply with regulations

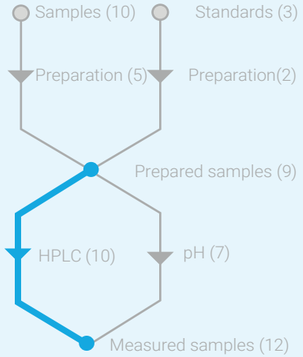
Regulatory compliance is supported with password-protected user login, role-based privileges, audit trail tracking, and signature capabilities. SLIMS provides the technical controls to securely acquire, process, report, and store data in laboratories that must follow the compliance guidelines of FDA 21 CFR Part 11, EU Annex 11, and GAMP5.

Validate your systems

SLIMS is a configurable software supporting the guidance of good automated manufacturing practices (GAMP). When used in a regulated laboratory, the system must be validated. SLIMS experts are available to answer your questions as you prepare to validate the system for your intended use.

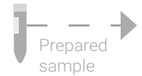
Adhere to analytical methods…

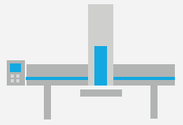
…in the way that your lab functions. SLIMS can cope with the complexity in your lab. Different people can work on different stages of the workflow, or one person can focus on certain tasks spanning multiple samples or analytical requests.



In the SLIMS workflow module, each circle represents a sample queue preceding a protocol, represented by an arrow. You can see immediately how many samples are in process within a certain protocol type. By clicking on any item, you are directly routed to the corresponding protocols so you can start or continue your work, or review what has been done.

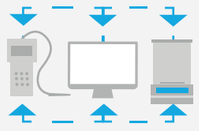
Follow lab procedure





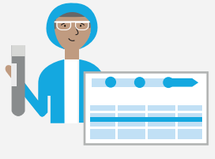
Enable sample handling automation

SLIMS can also connect to devices on the benchto partially or completely automate your sample preparation (e.g., mixers, dilutors, autosamplers, sample injectors, etc.).



Eliminate manual data entry

Data capture is controlled by SLIMS and eliminates the human source of errors. It plays well as a mediator for instruments that were not originally intended to interact with each other.



Follow the protocol

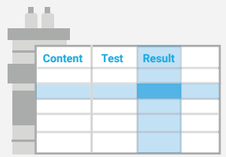
Replace your paper protocols with interactive alternatives. Guide technicians step-by-step and assist them with automations, connections to instruments such as balances, immediate feedback when values are out of specification (OOS), and error-proof protocols. Analysts can spend more time on actual scientific work.

Connect with your chromatography data system

Route samples to instruments

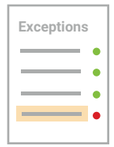
While SLIMS manages all content and all context of the laboratory, expertise of dedicated software solutions is needed at some point in the workflow. SLIMS can interface with any chromatography data system (CDS) to control the instruments, run processing methods, and generate sequence results.

With OpenLab CDS, the communication is automated, secure, and easy to implement. You can assign the sample to the required or next-available instrument to optimize instrument use.



Get your results back automatically

Results are then sent back to the test protocol, without user involvement, drastically reducing the chances of transcription errors.



Review by exception

After collecting information from the whole process, the system highlights all OOS items or those not matching expectations.

The reviewer saves considerable time in only focussing on the highlighted items, accelerating the entire process.

Did you know?

An erroneous test result has a huge impact on pharmaceutical companies' costs and credibility. The major root cause for an OOS investigation is a QC lab analysis error. On average, 40 manual transcriptions are made during a quality-relevant process, including about 6 transcriptions of the sample name. Even at a 3% error rate for all manual transcriptions, at least one error will occur in a quality-relevant process that must be detected before result approval.

Eliminating manual transcriptions not only increases automation: it accelerates your workflows, and improves the quality of your lab processes. You'll be faster and more accurate at lower costs!

Report and communicate your results and findings

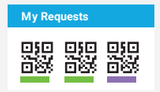
Certificate of analysis

SLIMS comes with a powerful report engine that can access all the data collected or computed by the software. Certificates of analysis that summarize results or more exhaustive reports can be issued in the format you prefer.

Archive

Compliance with regulatory retention policies is easier; SLIMS can store reports and other documents to a secure location, such as OpenLab data management software.

Let your customers access their reports



When the report has been approved, your customers can now access the final reports.

Deploy SLIMS at your discretion

SLIMS offers flexible installation options. It can be hosted by Agilent on a scalable, powerful, secure server, or by your favorite cloud service provider. The system can also be installed on a server within your IT infrastructure. SLIMS only needs a web browser, requires no further software on client computers, and can also be used on tablets.

Save time with SLIMS store

When installed, SLIMS is ready to be adapted to your lab. Get a head start with the SLIMS Store and download premade configurations. Choose from a library of sample types, locations, metadata, automation snippets, and many more to make your solution operational as fast as possible. Install what you need and use it as is, or adapt it to make SLIMS ready for your lab.

Get support from SLIMS experts

Our SLIMS engineers are the real subject matter experts in science and laboratory informatics. They understand your domain and your workflows. They have deployed many solutions for labs across the globe and will assist you during the different phases of the project with installation, training, validation and adjustment of the software to your needs.

Learn more:
www.agilent.com/chem/agilentslims-pharma

U.S. and Canada
1-800-227-9770
agilent_inquiries@agilent.com

Europe
info_agilent@agilent.com

Asia Pacific
inquiry_lsca@agilent.com

DE44187.2503356481

This information is subject to change without notice.

© Agilent Technologies, Inc. 2021
Published in the USA, January 26, 2021
5994-2950EN

Agilent
Trusted Answers