STAR LIMS™

EFFICIENT, ACCURATE AND COMPLIANT IN-LAB EXECUTION

Laboratory processes are nowadays still often documented on paper. Even in laboratories that have implemented software solutions like a LIMS, this sometimes happens because the software cannot be conveniently accessed on touchscreen devices that can easily be operated by the lab technicians without disrupting their daily routines.

With the STARLIMS LES (Laboratory Execution System), lab users can easily document their work at the moment they are executed (in-lab execution). This helps to ensure Standard Operating Procedures (SOP) compliance, improves efficiency, prevents transcription errors, and can make some otherwise required peer-review steps in GxP regulated environments unnecessary.

HOW DOES IT WORK?

01 STARLIMS QM v12.2 comes with a workflow engine to configure a sequence of lab execution steps. A step corresponds to a lab activity like "Add solvent to sample material".

02 Steps can be configured so that associated parameters, such as the equipment (balance, pipet, etc.), inventories (reagents, solutions), that have been used to execute the step can be documented including free configurable text and numeric parameters. Required validation checks, for example checking that the equipment have been calibrated according to schedule, and that consumables are not expired, are done automatically by the system.

03 A touchscreen-optimized user interface translates the configuration from the workflow engine into step-by-step instructions for lab technicians, who are guided through the workflow steps, ensuring SOP compliance. It can conveniently track parameters by scanning barcodes with the built-in tablet camera or a connected handscanner.

WHO CAN BENEFIT?

GXP Labs

Labs that work under GxP regulations need to meet strict quality standards throughout the entire process. STARLIMS LES can support to document in-lab execution data in great detail. Data is readily available for audits.

ISO 17025 Labs

Labs certified under ISO 17025 need to demonstrate their capacity to deliver reliable results. STARLIMS LES supports to document the parameters of test method execution, with added value similar to GxP scenarios.

STARLIMS LES CAN SUPPORT YOUR PAPERLESS LAB EFFORTS

- Built into STARLIMS QM v12.2, it increases efficiency through streamlined workflows
- Increases regulatory compliance with consistent SOPs
- Supports compliance with the ALCOA principle and data integrity
- Easy adoption by the lab personnel, with intuitive touch-screen user interface
- Helps to minimize transcription errors and supports a paperless lab approach
- The process data captured during in-lab execution become available for analytics / BI tools, like STARLIMS Advanced Analytics module.

REQUEST A DEMO

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