STARLIMS™

STARLIMS ELECTRONIC LAB NOTEBOOK (ELN)

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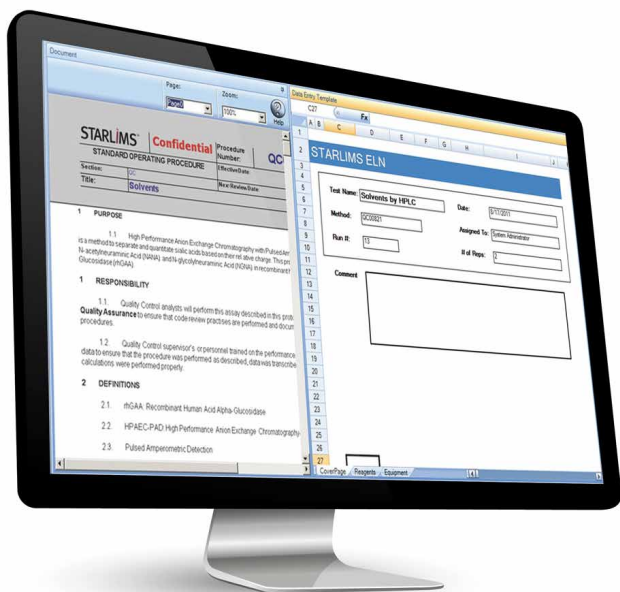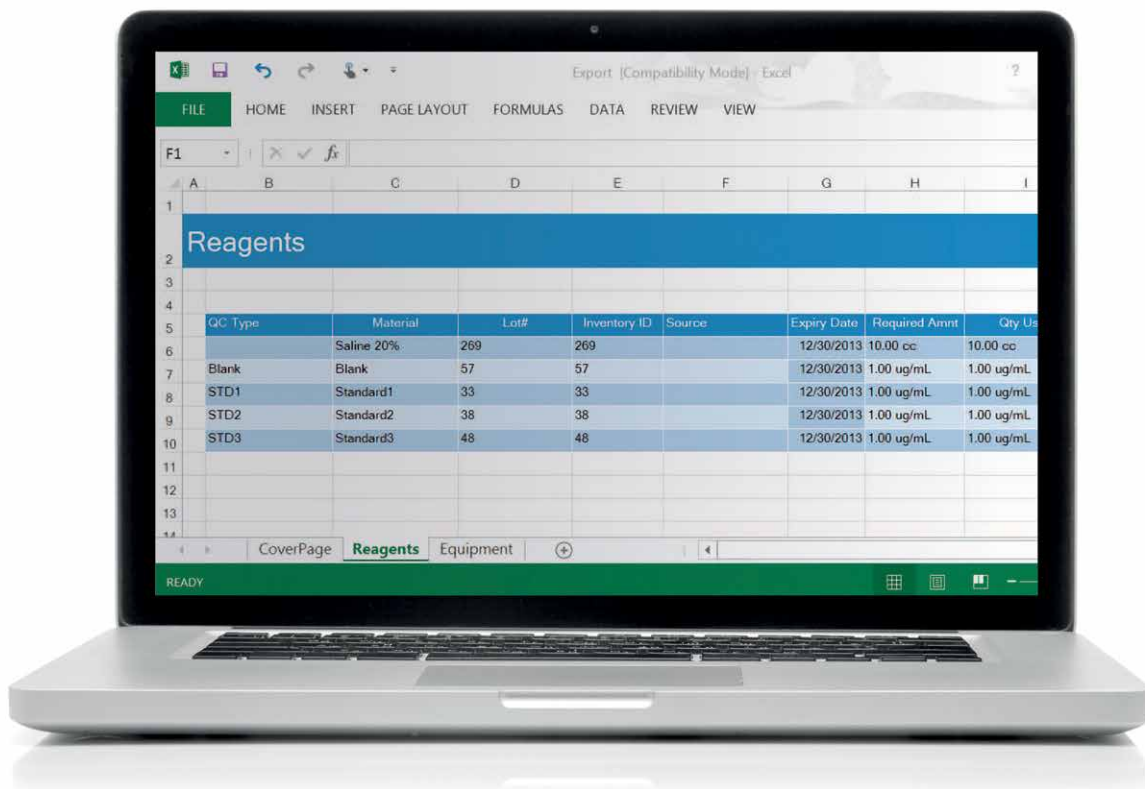
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Laboratory workflows today can be complex, and include multiple steps. Your results are important, so each step should be documented, however, documenting in notebooks or in Excel files stored on department share drives can be inefficient and create validation challenges. It is challenging to share paper notebooks with colleagues in different locations, and files stored on department shared drives can be difficult to maintain and search.

STARLIMS Electronic Lab Notebook (ELN) provides a powerful, centralised electronic replacement for paper lab notebooks and other homegrown solutions used to record your lab data. Whether you are looking to capture interim result data in tables, create calculations on the fly using standard Excel formulas, add pictures and annotate, or include attachments, the Excel-like interface provides you with a flexible canvas to capture and store your data in a central repository. The ELN makes it easy to search, easy to share and maintain compliance with your organisation's record retention rules. The ELN also manages both structured and unstructured data and provides method execution capabilities to ensure SOPs are strictly followed, and the method/SOP is visible while you are executing the steps to ensure compliance. Using an electronic solution enables you to transform your lab into a "green" paperless operation and reduce paper management costs.

STARLIMS ELN reduces integration cost and eliminates the need to switch between multiple windows or systems to do your work. Users also benefit from having to only learn one application and user interface. The seamless integration means upgrades are streamlined, with only one system to update.

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The STARLIMS ELN allows you to focus on getting your work done efficiently, and allows you to execute your test workflow without any interruptions.

Be Efficient

- Accomplish tasks more efficiently by combining the powerful calculation engine and large predefined function library of a spreadsheet with the storage and retrieval functions of a database.
- Reduce adoption costs and get up and running faster by using your existing templates and formulas.
- Save precious time by consolidating systems and eliminating the need to switch between applications.
- Find any information you need through powerful ELN search capabilities.

Be Compliant

- Follow along with on-screen method execution instructions (SOPs) that are displayed alongside the data entry screen, showing you exactly where you are in the process and what you need to do.
- Maintain full traceability (including electronic signatures) of who did what, where and when to ensure compliance.
- Reduce the use of homegrown tools, which are hard to control and update.
- Capture data from analytical instruments both complex and simple (e.g. serial and TCP/IP interfaces).

Reduce Error Rates

- Detect potential problems early through checks at the completion of each workflow step that run validation criteria and route data entry, approvals and releases to the right people.
- Use formulas to determine status, check for missing entries and check for erroneous data.
- Improve quality and save time through reduced typing and automated data entry using auto-population from STARLIMS, fill-down and direct copy and paste of text, and retrieval of result data from instruments.

Be Flexible

- Use the flexible ELN canvas to record unstructured data, which captures additional information to explain your results.
- Annotate pictures to highlight problem areas or areas of concern you would like to point out.
- Add charts and graphs to show the data pictorially in a format easily understood by the recipient.
- Import data captured from instruments, including keywords, tables and graphics.

STARLIMS ELN, A SOLUTION FOR EACH ROLE

LAB MANAGER
Efficient test method review and approval.

QA/COMPLIANCE MANAGER
Enforce compliance and provide full method traceability.

LAB ANALYST/SCIENTIST
Fast, powerful and accurate method execution.

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