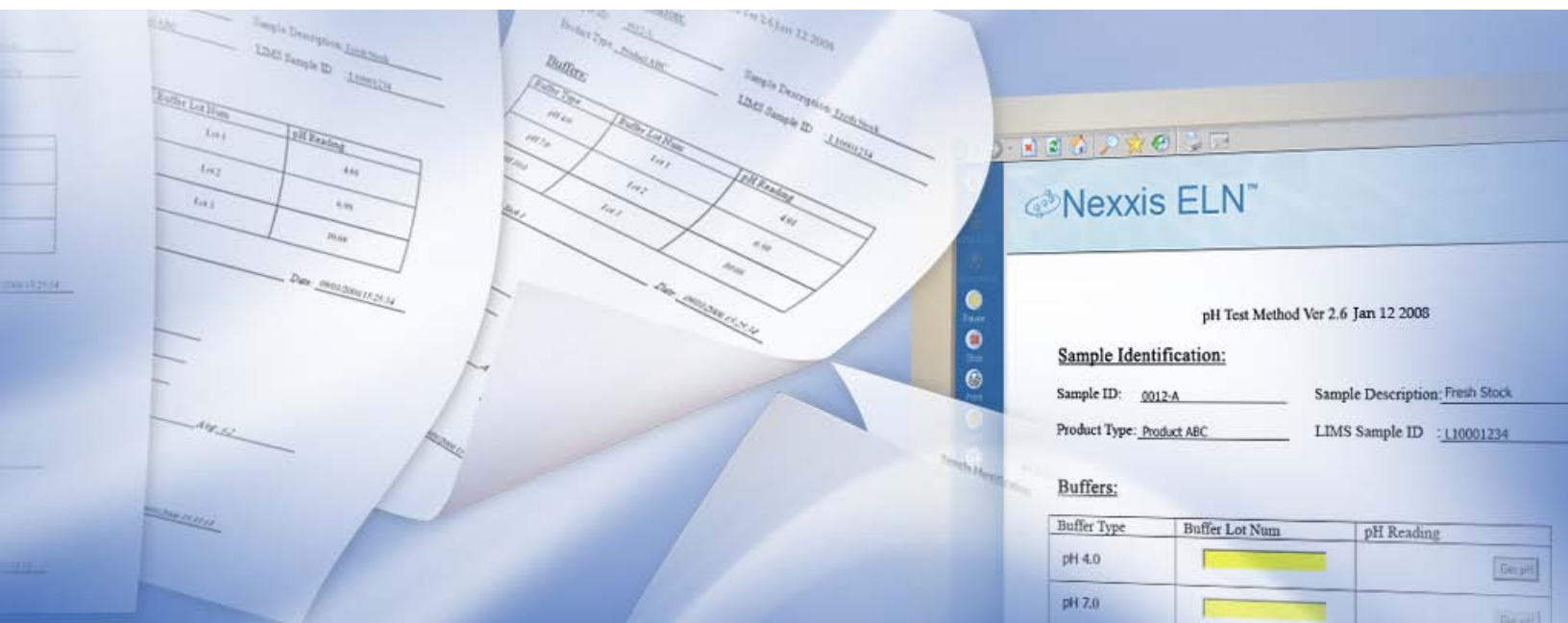


Electronic Laboratory Notebook for Routine Analyses



Nexxis ELN is a web-based Electronic Laboratory Notebook for Routine Analyses that replaces paper-based routine analyses with on-line electronic forms that provide an unprecedented level of automation, control and integration.

Incorporating Labtronics' revolutionary new ReDI deployment technology and an Advanced Process Editor, Nexxis ELN can create electronic forms from your paper worksheets, documents or SOPs - *in minutes* or give you the flexibility to develop electronic forms that deliver the highest level of automation and control over the analytical process.

Go Paperless in Minutes

Labtronics' ReDI is the fastest deployment technology available for converting paper documents into electronic forms, delivering immediate returns to the laboratory through the benefits that come from going paperless.

- Eliminate illegibility problems created by hard to read manual data recording
- Eliminate problems due to lost or damaged paper forms
- Improve access to data
- Eliminate paper storage and retrieval costs
- Meet regulatory compliance requirements with full electronic security

Nexxis ELN with ReDI provides instant relief from the headaches of paper management.

Nexxis ELN is ReDI

ReDI (Rapid eForm Development and Implementation) is a new eForm deployment technology that transforms paper documents into electronic forms – in minutes.

ReDI Standard- is a rapid implementation process that instantly creates electronic forms that can be scheduled, reviewed and approved on-line using Nexxis ELN's web client.

ReDI Masked- is best suited for quick deployment of electronic forms that require consistency, structure and control over the analytical procedure. Typical ReDI Masked documents can be implemented in less than an hour per page.

For more information on “Rapid eForm Development and Implementation” ask for the ReDI Overview: info@labtronics.com.

Create Highly Automated and Controlled Forms

Nexxis ELN is also equipped with an Advanced Process Editor that incorporates laboratory specific functions, tasks and operations that are used to build in advanced layers of automation, logical control and integration to electronic forms.

- Collect data directly from instruments eliminating manual transcription errors
- Automate calculations to ensure consistency and accuracy
- Automate limit checks so analysts can take immediate action if samples are out of specification
- Provide real-time control over test execution, ensuring that procedures are carried out the same way, every time
- Share information with other informatics applications in real-time

Electronic forms that are created using the Nexxis ELN Advanced Process Editor provide the highest level of automation and control over procedural execution - reducing analysts' workload and ensuring that test results cannot be compromised by procedural errors.

True Web-Based Access

A zero footprint Web Client provides direct access to on-line forms and procedures through Microsoft® Internet Explorer®, eliminating the need to install software on the client side.

This simplifies deployment of Nexxis ELN, drastically reduces the time and effort required to validate the solution in a regulated environment and makes Nexxis ELN easily accessible from anywhere in the organization.

The Nexxis ELN web client gives managers, supervisors and analysts direct access to the information they need, when they need it and where they need it.

Nexxis ELN Works the Way You Work

Nexxis ELN fully supports your existing laboratory procedures and analytical requirements with three distinctive approaches for automating routine analyses - worksheet based, SOP based or workflow based.

- Analysts have a familiar and comfortable interface to work with.
- No special design work or SOP modifications are required.
- The interface and the automated process match exactly with the requirements of your applications and your analysts.

You have the option of choosing one approach for all your applications or you can mix and match, based on your application requirements and your current procedures.

Nexxis ELN delivers a solution that works the way you do.

Nexxis ELN Automates...

Data Collection from Instruments

Nexxis ELN collects data directly from any laboratory instrument - eliminating manual transcription errors and ensuring that the data generated by the instrument is the same data that is recorded in the worksheet, each and every time.

A library of pre-configured instrument interfaces simplifies data collection from over 500 popular laboratory instruments. Simply select an instrument from the list and start collecting data.

Calculations

Any calculations that are part of the analysis can be automated, saving time for the analyst and eliminating time spent verifying manual calculations. Nexxis ELN establishes a consistent, accurate and documented process for calculations that is applied each and every time.

Error Checking / Limits checking

Nexxis ELN can automatically check each sample result, as it is collected or calculated, to see if it is within expected test limits or specifications. Analysts know right away, at the bench level, if a sample fails the limit check. They can take immediate action to either rerun the sample or to ensure that all of the necessary materials are retained in order to facilitate a proper investigation of the result.

Nexxis ELN automation eliminates manual errors, reduces the need for secondary data review and reduces the amount of time that is spent on manual processes. Laboratories can increase their sample handling capacity and maintain or improve the quality of their results without increasing personnel costs.

Nexxis ELN Provides Real-Time Management of ...

Laboratory Workflow

Laboratory managers and supervisors can use the Nexxis ELN web client to monitor laboratory workflow and assign new worksheets to individual analysts or analytical groups - right from their desktop.

Analysts can see at a glance all of the worksheets that are scheduled for them or they can use filtering and sorting options to focus on work that is scheduled for that day, or worksheets with a specific priority or worksheets for a specific test or sample.

Completed worksheets are automatically routed through a multi-level review process, adding reviewer's comments and approval signatures to the electronic form. Worksheets that are not approved are automatically scheduled for rework.

Web based, real-time, on-line management of workflow eliminates delays and frustrations associated with circulating paper documents making it easier for analysts, supervisors and managers to schedule, monitor, and balance the laboratory workload.

Procedural Execution

Nexxis ELN electronic worksheets can include a layer of logic that ensures that every aspect of an SOP is being followed and that procedures are carried out the same way, every time.

- Are the analyst's qualifications up to date today, when they are running this test?
- Does the instrument that they are using right now meet all of the requirements of the SOP?
- Is the analyst following each step in order and making absolutely sure that they have successfully completed one step before moving to the next?
- Does the analyst follow the SOP if a result is out-of-specification or an instrument hasn't been properly calibrated?

Adding automation and control into a Nexxis ELN worksheet ensures that SOP requirements are met every time, ensures the consistency and quality of sample results and reduces the amount of time analysts' spend on sample data management.

Nexxis ELN Provides Real-Time Integration With ...

LIMS, ERP, SDMS, ECM, etc.

Nexxis ELN work sheets can leverage the value of your existing laboratory informatics applications by automatically accessing and delivering information from these systems to the analyst and to other applications, right at the time of analysis.

- Sample information in LIMS can be used to automatically populate fields in a Nexxis ELN worksheet.
- Completed worksheets can be automatically stored in a Document Management System for easy access and retrieval
- Results can be automatically transferred to LIMS or other enterprise reporting system

This principle of real-time integration can be applied to the automated transfer of information back and forth between Nexxis ELN and virtually any informatics application.

Chromatography Data Systems

Sample preparation information from Nexxis ELN worksheets can be transferred directly to a Chromatography Data System (CDS). This integrates the sample preparation process with the chromatography process, creating a highly automated solution that makes it easier to manage chromatography workflow, data review and reporting.

Other Nexxis Applications

Nexxis ELN worksheets can interact directly with other Nexxis applications in real-time, automatically updating information and ensuring adherence to SOP requirements.

- Connect with Nexxis CAL (Calibration Manager) to make sure that the calibration requirements are complete and up to date for the instrument being used.
- Connect with Nexxis CIM (Chemical Inventory Manager) to confirm that the right materials are always being used and that they have not passed their expiry date. Automatically upgrade the

inventory level of materials as they are being prepared or after they are used, ensuring that inventory levels are always accurate and up to date.

With Nexxis ELN You Will...

- **Eliminate the costs associated with managing paper forms:**
 - Eliminate illegibility problems created by hard to read manual data recording
 - Eliminate problems due to lost or damaged paper forms
 - Simplify management of the worksheet lifecycle
 - Eliminate paper storage and retrieval costs
- **Ensure the quality and consistency of results while decreasing labor costs:**
 - Collect data directly from instruments to eliminate manual transcription errors
 - Automate calculations to ensure consistency and accuracy
 - Automate limit checks so analysts can take action if samples are out of specification
 - Provide Real-time Control over Test Execution
 - Reduce time spent on secondary review
- **Improve access to data and information:**
 - Retrieve electronic worksheets quickly for problem resolution
 - Save worksheet data in a searchable database
 - Automatically retrieve data from other informatics applications
 - Ensure real-time accuracy of informatics applications

Learn more about Nexxis ELN

ReDI Overview

Detailed information on ReDI (Rapid eForm Development and Implementation) technology.

An ELN That Works The Way You Do

Three options for automating routine analyses with Nexxis ELN.

Nexxis ELN Technical Bulletin

Nexxis ELN n-tier scalable architecture and system requirements.

Ask for more information:

<mailto:info@labtronics.com>