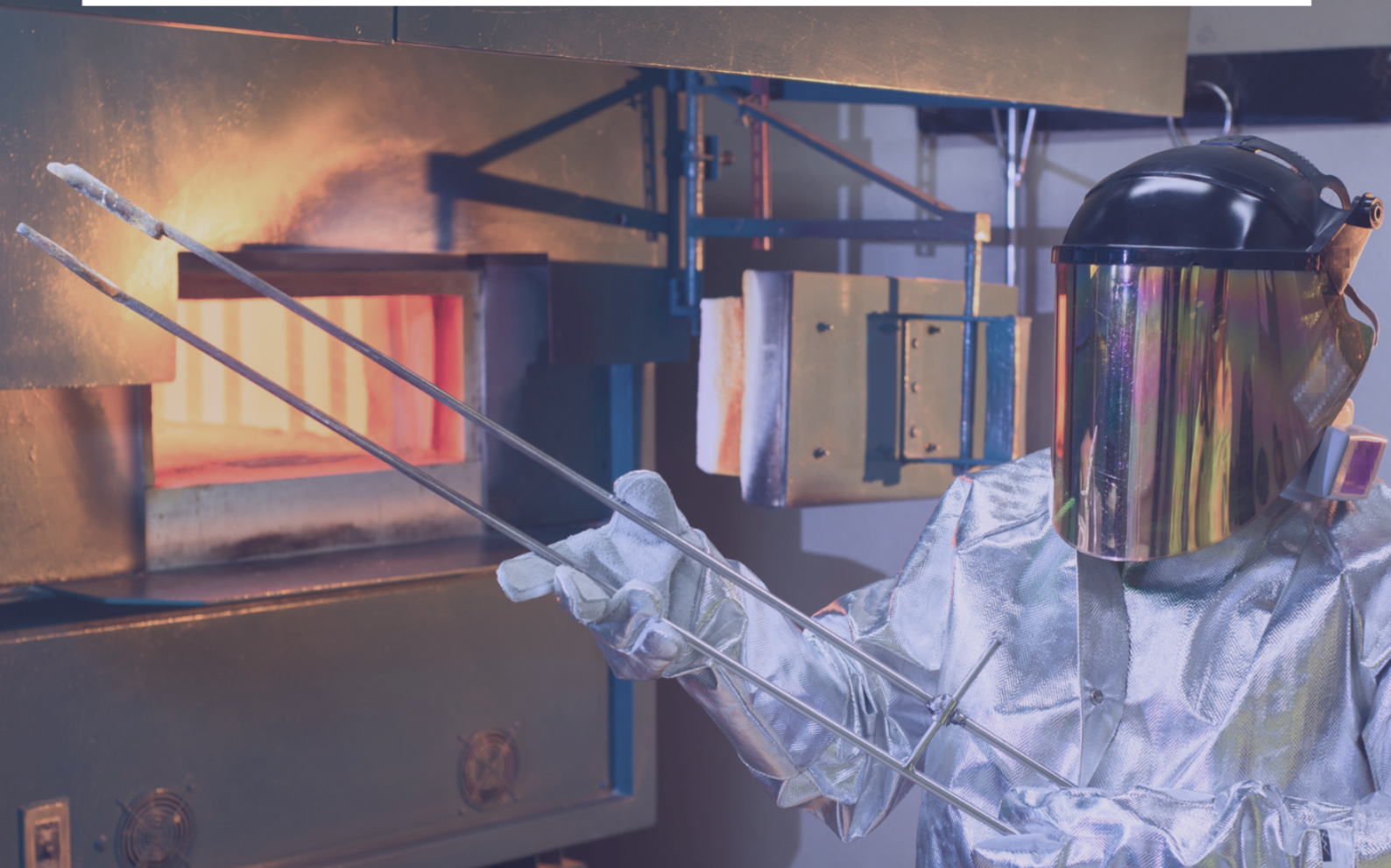


AssayNet LIMS 4

Release Notes



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Overview

In mining laboratory operations, efficiency, accuracy, and compliance are non-negotiable. The new AssayNet LIMS delivers on all three. Purpose-built for mining laboratories and featuring a fully modernized, web-enabled interface, AssayNet streamlines the complete laboratory workflow—from sample reception, logging, and preparation through analysis and reporting. Its comprehensive capabilities include integrated quality control programs, quotations, invoicing, inventory management, and sample storage. By automating processes and connecting seamlessly with laboratory instruments, AssayNet reduces operational risk, optimizes costs, and maximizes throughput. The result is a high-performing laboratory that consistently delivers timely, accurate results and strengthens the operational success of the entire mining value chain.

Further Information

This document includes cumulative release notes for AssayNet LIMS 4.

Release notes for other versions of AssayNet are available via the Support Portal <https://www.dataminesoftware.com/support/>.



AssayNet LIMS 4.4 release notes

AssayNet LIMS 4.4.7.2 (Jul 2026)

Minor improvements only.

AssayNet LIMS 4.4.7.1 (Jul 2026)

Minor improvements only.

AssayNet LIMS 4.4.7.0 (Jul 2026)

Store and locate samples

Use the **Sample Storage** workflow to find, group, and assign samples to storage locations, print stored-sample labels and lists, and export stored-sample data. The **Locations and Containers** screen lets you create, edit, and delete the storage hierarchy. Together, these features provide a searchable record of each sample's physical location. A location or container cannot be deleted while it contains samples.

Account and access

Login lockouts display an expiration message, and locked accounts can be unlocked directly. Updating the **Security Matrix** preserves existing user role assignments, so administrators can adjust permissions without reassigning roles.

AssayNet LIMS 4.4.6.1 (Jul 2026)

Minor improvements only.



AssayNet LIMS 4.4.6.0 (Jul 2026)

Worksheet reporting

Worksheet reports populate title fields at run time and load the report layout specified by the **Analysis Code** configuration, reducing manual report setup.

AssayNet LIMS 4.4.5.0 (Jul 2026)

Exports and integrations

The Fusion integration includes a raw JSON viewer for inspecting the data sent and received during an export, making integration issues easier to troubleshoot. Project exports can also be run from the **Instrument Run Results** screen.

Instrument runs

When Instrument Manager is temporarily unavailable, LIMS 4 no longer blocks the current workflow, allowing unaffected work to continue.

Configuration and data capture

The **Project Schemes** editor supports non-analytical **Data Types**, and sample batch creation copies custom fields from the sample type to new samples.

AssayNet LIMS 4.4.4.1 (Jul 2026)

Minor improvements only.



AssayNet LIMS 4.4.4.0 (Jun 2026)

Report templates

LIMS 4 includes list and edit screens for **Report Templates**. Client reports load the layout named in the **Report Template** at print time. Each report uses a single, self-contained file in place of the previous subreport structure, simplifying report maintenance and troubleshooting. Barcode and activity report printing has also been improved.

Exports

Sample Batch export includes the product associated with each sample.

AssayNet LIMS 4.4.3.0 (Jun 2026)

Configuration

Flags, Priorities, and Activities Setup can be configured in LIMS 4, completing the rebuild of the configuration screens carried over from LIMS 3. User and login lists are sorted alphabetically by username for faster lookup.

QC and control charts

Control Limits respond correctly when **USE LVL** is selected or cleared, and warning limits are calculated from the configured values. Selecting a point on a QC control chart opens the associated run.

Exports and integrations

Mine and Plant/Mill exports use the project scheme configuration and sample-location mapping. The Fusion API integration logs API calls for troubleshooting.



Instrument runs and data capture

The **Ad Hoc Retest** dialog includes **Create Short Rack** and automatically selects flagged or on-hold samples. The **Correct/Retest/Format** toolbar remains visible. **Screen Test Activity** creates jobs and instrument runs after a sample scan, matching LIMS 3 behavior. Worksheet report selection for **Lab Job** printing has also been improved.

AssayNet LIMS 4.4.2.1 (May 2026)

Minor improvements only.

AssayNet LIMS 4.4.2.0 (May 2026)

Security Matrix

The **Security Matrix** displays roles and permissions in a single grid. Administrators can review and change role permissions directly from this view without opening each role separately.

A dedicated screen lets administrators add Active Directory users and assign the required role.

Quality control

QC Calibration Standards and **Control Samples** can be configured in LIMS 4.

Configuration redesign

The **Configuration** menu is a searchable hub that replaces the previous menu tree, reducing navigation through multiple menu levels. **Status Messages** and **Run Template** setup can also be configured in LIMS 4.

Exports

The **Export from Run** workflow uses a configurable script, matching the other export paths.



Improvements

Create from Series preselects samples based on their **Hold** flag. The **Project Setup Sample Locations** page has also been improved.

AssayNet LIMS 4.4.1.1 (May 2026)

Minor improvements only.

AssayNet LIMS 4.4.1.0 (Apr 2026)

Quality control

QC Spikes, **Preparation QC**, and **Preparation Splits** can be configured in LIMS 4. The **Use Previous Sample** option controls whether a preparation blank is calculated and accepted against the preceding sample or the detection limit.

Fine-grained security

The **Users, Roles, and Security Actions** administration page provides a central location for managing role permissions. A related security issue has also been resolved.

Configuration

Analysis Codes includes **Calculation Options**, **Template Options**, and **Retest Options** screens. **Limits**, **Units**, **Schedules**, and **Lab Job Templates** can be configured in LIMS 4.

Data entry

Submittal creation supports copy and paste, and instrument data import supports Agilent AAS files.

AssayNet LIMS 4.4.0.1 (Mar 2026)

Minor improvements only.



AssayNet LIMS 4.4.0.0 (Mar 2026)

Platform

LIMS 4 has been upgraded to run on .NET 10.

Instrument runs and racks

The flags for full racks, holding short racks, and creating short racks operate independently and are validated against a decision table to reduce the risk of incorrect rack creation.

Configuration

The **Analysis Codes QC** and **Analyte Schemes** menus are available in LIMS 4, together with additional **Import Template** screens and **QC Reference Materials** configuration.



AssayNet LIMS 4.3 release notes

AssayNet LIMS 4.3.6.0 (Feb 2026)

Minor improvements only.

AssayNet LIMS 4.3.5.0 (Feb 2026)

Configuration

Sites, **Vendors**, **Job Titles**, **Crews**, **Shifts**, and **Prep Products** can be configured in LIMS 4. The **Analysis Codes** list and **Analytes** menu have also been expanded.

Platform and operations

You can select a connection string for non-production servers, and the interface displays the database version, making it easier to confirm the environment before starting work.

Reporting

Dashboard data can be exported from the **Dashboard**.

AssayNet LIMS 4.3.4.0 (Jan 2026)

Configuration

Shippers can be configured in LIMS 4, and the **Vendors** configuration has been expanded.



AssayNet LIMS 4.3.3.0 (Jan 2026)

Configuration

Analytes, **Analyte Types**, and **NCS Codes** can be configured in LIMS 4. The **Analysis Codes Setup** screen has also been expanded.

Exports

CSV and Excel export filenames can be configured for each project through Roslyn scripts, helping exported files follow project-specific naming requirements.

Instrument runs and data capture

Use **Hold Sample** to apply a hold to an entire sample row. **Import** on the **Data** screen bypasses the additional options dialog, and the screen supports text and pick-list fields. Instrument Manager supports HTTP/1.1 and HTTP/2.

AssayNet LIMS 4.3.2.2 (Dec 2025)

Minor improvements only.

AssayNet LIMS 4.3.2.1 (Dec 2025)

Minor improvements only.

AssayNet LIMS 4.3.2.0 (Dec 2025)

Configuration rebuild

Analysis Codes includes **List**, **New**, **Edit**, **Delete**, **Clone**, and **Setup** screens as the first major stage of rebuilding the LIMS 4 configuration area to match LIMS 3.

Platform and operations

You can select a connection string for non-production servers.



Data capture

The **Lab Job Data** screen includes **Clear**, **Add**, and **Delete** actions. Spacing around the record buttons for **Clear Weight** has also been improved.

AssayNet LIMS 4.3.1.0 (Nov 2025)

Bug fixes and performance improvements only.

AssayNet LIMS 4.3.0.1 (Oct 2025)

Bug fixes and performance improvements only.

AssayNet LIMS 4.3.0.0 (Oct 2025)

Improved security model

LIMS 4 supports Active Directory authentication and role-based access control. Users can sign in with their existing company credentials, removing the need to use SQL Server-based security and supporting centralized password, account, and policy management.

Default roles reflect common responsibilities and provide a starting point for permission control. Administrators can customize these roles to match their site's organizational structure, security policies, and operational requirements.

User and role management tools

Dedicated administration tools let administrators create, edit, and assign roles and manage user accounts within LIMS 4. Permissions can be adjusted for specific job functions, helping users receive the access required for their responsibilities without broader permissions.



AssayNet LIMS 4.2 release notes

AssayNet LIMS 4.2.0.1 (Aug 2025)

Bug fixes and performance improvements only.

AssayNet LIMS 4.2.0.0 (Aug 2025)

Exporting logic moved to script files

The logic for XLS and CSV exports has moved to Roslyn script files. Advanced users can use these scripts to control how data is prepared and exported while keeping the export logic separate from the core application.

The scripts can adjust formatting, filter records, and transform data to meet project-specific or organizational requirements. Export behavior can therefore be updated without changes to the application itself, making the configuration easier to maintain.

This also supports more complex, context-dependent exports that can be adapted to different reporting and integration requirements.

Configurable labels, reports, and worksheets

The logic for generating PDF labels, reports, and worksheets has moved to XML files. The document structure and layout are defined in these files rather than in the application code.

The built-in **Report Designer** provides a visual interface for adjusting layouts, formatting, and content. This lets users tailor documents to their output requirements without hard-coded application changes.

Separating document configuration from the application logic makes layouts easier to adapt and maintain. It also helps laboratories apply consistent formatting and presentation across labels, reports, and worksheets.



AssayNet LIMS 4.1 release notes

AssayNet LIMS 4.1.3.0 (Aug 2025)

Sample reception weight entry

You can enter sample weights manually during sample reception, allowing weights to be recorded as part of initial sample handling.

AssayNet LIMS 4.1.2.0 (Jul 2025)

Fusion API integration

A dedicated export integration transfers data from LIMS 4 directly into Datamine Fusion projects through the Fusion API.

Configure the dedicated **Export Format** in **Project Setup** to define the export parameters. This produces consistent, structured output that is tailored for Fusion.

Using the Fusion API reduces manual transfer steps and supports reliable, efficient data exchange between LIMS 4 and Fusion. It also helps exported data align with Fusion data-management requirements.

Analysis package management

Use the **Analysis Packages** screens to create, clone, search, and filter analysis packages. These tools support laboratories that maintain multiple analytical configurations across projects or teams.

Dedicated configuration forms let you define the components of each package, whether you are creating a package from the beginning or modifying a clone.

Reusing existing configurations reduces setup time and helps maintain consistent analysis configurations across projects.



AssayNet LIMS 4.1.0.0 (Jun 2025)

Overview

The first internal release of AssayNet LIMS, delivering a lightweight, mining-focused laboratory information management system.

The browser-based interface is hosted on a central server and does not require a full installation on each computer, simplifying deployment and maintenance. A lightweight connector enables communication between local laboratory instruments and the web application.

Filtering

Filtering is available across the application, reducing the time required to locate batches, workflows, and samples.

Dashboard

The **Dashboard** provides an overview of laboratory and project activity. It displays work in progress, including active batches, so you can see where work is currently focused.

A turnaround-time graph shows performance by project and helps identify potential delays. Additional graphs show the number of samples received during a selected period and the number of determinations completed, helping you identify workload trends or changes.

Filter the dashboard by time period, client, or project to focus the information on a specific area of work.

Live QC charts

Quality control (QC) charts refresh automatically as data changes, helping you identify data-quality issues without manually refreshing the screen. The visual overview also makes trends and anomalies easier to identify as results are recorded.

You can define custom chart templates for specific QC requirements. Templates are saved against your login, providing a consistent chart setup each time you open the QC window.



Instrument Manager

Instrument Manager runs as a local executable and connects the browser-based application to on-site hardware, including laboratory instruments, COM ports, label printers, and other connected peripherals.

It supports sample labeling, data collection, real-time updates, and data transfer between local devices and LIMS 4 without requiring the browser to communicate with the hardware directly. This provides a consistent connection to local equipment without additional browser-based workarounds.



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