

Illumina LIMS (Laboratory Information Management System) Software

Release Notes

Illumina LIMS v7.0

For Microarray Processing

September 1, 2022

Introduction

This version of Illumina LIMS should be used for new customers only. Customers looking to install Illumina LIMS on hardware of their choice due to the EOL of the Illumina Array LIMS server manufactured by Dedicated Computing should upgrade to v6.1.4 instead of v7.0. These Release Notes detail the key changes to the software since version 6.1.3.

I. Illumina LIMS Software

NEW FEATURES:

- Illumina LIMS v7.0 release allows the Illumina LIMS software to be deployed and run on any customer provided hardware including Virtual Machines (VM).

FIXED ISSUES:

- Deadlock no longer occurs in the database under heavy loads.
- Addressed log4J vulnerability CVE-2021-44228

KNOWN ISSUES:

- When revisioning a product LIMS does not verify the stripe count of the new product version matches the stripe count of the old version.
- When accessioning BeadChips LIMS does not verify stripe count.
- BPM file association at product accession does not verify section count in BPM file, however at "Update BeadChip Product", the BPM file update does verify the section count (system is inconsistent).
- Users can run the "Make MSA7 ST" task using a batch that is queued to "Completed SampleBatch".
- Users can run "Fragment MSA7 ST" task using MSA7 plate queued to Fragment MSA7 HT.
- In rare cases, long-running SQL transactions have been observed in large databases.
- Reagents manually queued to task name can be verified as acceptable for that task. Normally reagents would be new or queued to "Used Reagent".
- Some Web Tasks ("Coat BC2", "Confirm for Hyb") have non-optimal tab order.
- Task MSA8 "Prepare Hyb Chamber" presents odd behavior after errors related to data missing from the first column.
- In the "Coat BC2 task", if the user attempts to verify with only PB1 reagent entered, data will disappear and reappear from the text fields.

- If a user has selected an inactive, awaiting archive, or archived project before they click the "new project" button, the user is unable to set the new project as "active" when creating the project.
- In the "Institute Samples" task the user is able to highlight multiple samples, the "Plate Detail" sub-panel of the task will populate based upon the last sample highlighted. The system should only allow 1 row to be highlighted at a time.
- During the archive process if the LIMS system cannot access or create the archive folder during an otherwise normal archive, the files to be archived will be deleted and LIMS will report the archive as successfully completed.
- There is a legacy issue with the display of the EULA in LIMS PM where portions of the text are not visible.
- Reagent Usage Report retrieving reports by "Product" can run into memory limitations when reporting on products that have > 1,000,000 samples.