



Illumina LIMS (Laboratory Information Management System) Release Notes

Illumina LIMS v5.0.0

For Microarray Processing

September 21, 2017

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Introduction

These release notes describe key changes to Illumina LIMS since the previous release of v4.8. Illumina LIMS v5.0.0 version has been tested with Windows 7.

I. Illumina LIMS v5.0.0

NEW FEATURES:

- Added support for processing Infinium XT products with Illumina LIMS
 - o Added Infinium XT (MSA7) task groups. Each Infinium XT group includes:
 - Make IAC task
 - Incubate Web task
 - Fragment IAC task
 - Precip IAC task
 - Spin Web task
 - Resuspend IAC task
 - Confirm for Hyb Web task
 - Hyb IAC task
 - Prepare Hyb Chamber Web task
 - Wash Web task
 - XStain IAC task
 - Coat Web task
 - o All Infinium XT tasks are tailored for higher throughput processing.
 - o Infinium XT HT workflow supports reuseable/bulk reagents.
- Enabled multi-species products
 - o Supports need for multiple BPM and cluster files when processing multi-species products
 - o New screen to set the species at a sample level during batching
 - o Multi-species support for analysis software (Autocall/Genome studio)

OPTIMIZATIONS:

- Performance enhancements to support higher throughput processing
 - o Infinium XT web tasks have been expanded to support higher throughput
 - o Simultaneous Imaging and metrics processing improves iScan performance
 - o Beadchip auto accession runs multi-threaded file copying

DEFECT REPAIRS:

- Archive functionality repaired



KNOWN ISSUES:

- None