



Illumina Automation Control (IAC) v6.2.1

Release Notes

For Illumina Configured Tecan EVO 150

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Introduction

These release notes describe the key features and changes pertaining to Illumina Automation Control (IAC) version 6.2.1 since the last major release. This version has been tested with Windows 7 and supports both Illumina LIMS and non-Illumina LIMS customers.

I. Features

- a. Includes Infinium HTS Extra (MSA8) automation protocols and tasks for high-throughput processing of 24-sample HTS array format BeadChips
 - i. New MSA8 tasks added: "Make MSA8", "Make Multi-Source MSA8", "Precip MSA8", "Resuspend MSA8", "Hyb" protocol under "MSA8 Tasks" for "24x1 Infinium HTS", "XStain LCG BeadChip HT" under "XStain" task group
 - ii. Updated layout for "Hyb Multi-BC2" protocol under "MSA3 Tasks" for "24x1 Infinium HTS" from 2 MSA3 plates to 3 MSA3 plates
- b. Includes Illumina LIMS integration for Infinium HTS Extra (MSA8) automation protocols (if applicable)

II. Optimizations

- a. Adjustment of Tecan Tip Z-height for Plate-based XStain processing tasks
 - i. Z-Height of Tecan Tips was adjusted for Infinium XT (MSA7) and Infinium HTS Extra (MSA8) X-Stain processing tasks
 - ii. This height adjustment was incorporated in order to optimize for plate-based reagent dispense and account for potential variability in instrument tip heights



III. Defect Repairs

- a. Right-clicking on Windows bar in previous versions of IAC caused automation process to pause without user warning
 - i. Repaired issue found in previous IAC releases in which right-clicking on windows bar inadvertently pauses the automation process without user notification

IV. Known Issues

- a. None