![illumina logo]

Illumina Automation Control (IAC) v6.3.0 and v6.3.1

Release Notes

For Illumina Configured Tecan EVO 150

Introduction

These release notes describe the key features and changes pertaining to Illumina Automation Control (IAC) version 6.3.0 and 6.3.1 since the last release, version 6.2.1. These versions have been tested with Windows 7 and Windows 10 and support both Illumina LIMS and non-Illumina LIMS customers.

I.   Features

    a. Includes software updates to support changes to serial numbers used for reagent tracking in Illumina LIMS.

- o The prefix of serial numbers for plates and reagents used in the various workflows.
    - Previous serial numbers conformed to the pattern WG#######-XXX. To address consumption of 7 digit combinations, the WG prefix is being changed to any combination of two alphanumeric characters, beginning with AA.
- o In Illumina LIMS environments, the X-stain temperature is no longer determined from the serial numbers of STM and/or SML tubes, but is automatically set to 32ºC for all SML and STM reagents.

II.   Optimizations

    a. None

III.   Defect Repairs (Implemented in IAC 6.3.1)

    a. Repair to ensure that, during system initialization of any kind with doors open, aborting the error message does not cause system hang terminally.

    b. Repair to ensure door is locked during initialization routine.

c. Repair to ensure that, after upgrading from v6.2 to v6.3, the Tecan instrument will not freeze during system initialization after updating the IAC - Configuration.

IV.   Known Issues

a. Illumina technical support must be notified in order to add users

b. BeadChip number displayed in the Barcode Scan dialog box is not updated. This is a display issue but the code expects correct beadchip number to be entered.

c. Rack Name displays MSA instead of MSA2 in the Barcode Scan dialog box for Hyb Multi-BC2. This is a display issue but the code expects correct MSA2 plate to be entered.

d. Numeric component of reagent serial number is incorrectly verified. This is low impact because MSA plate serial number will be independently verified by LIMS when scanning barcodes. LIMS will verify and this will not be accepted if the barcode that does not match with expected format.

e. Unhandled exception error message appears after changing password-protected configuration. This is an existing issue and will be addressed in a future release of IAC

V.   Summary of previous release notes

a. The following table is a summary, please consult version specific release notes on the Illumina Website for more details on previous releases

Version	Date of Launch	Features	Optimizations	Defect Repairs	Known Issues
6.3.1	June-20	No additional features	none	Door lock bug fixes	none
6.3.0	Nov-19	Updated to support changes to serial numbers used for reagent tracking in Illumina LIMS	None	None	None
6.2.1	Apr-19	Addition of MSA8 automation protocols and MSA8 LIMS integration for HTS Extra	Adjustment of tip Z-Height for plate-based processing	Repaired issue that would pause instrument upon right click	None
6.1.8	Sep-17	Addition of MSA7 LIMS integration for XT	None	None	None
6.0	Oct-16	Addition of MSA7 Protocols for XT	None	None	None