

iSeq™ 100 System Release Notes

Suite Installer v1.4.0

iSeq™ 100 Control Software Server v1.4.0

iSeq™ 100 Control Software Client v1.4.0

Firmware (FW) v1.3.0

Real-Time Analysis (RTA) v2.12.5

Universal Copy Service (UCS) v1.5.4

Local Run Manager (LRM) v2.1.2

Introduction

These release notes detail new features, improvements, and known issues for the iSeq™ 100 Sequencing System software. For more information on the iSeq 100 System, see the *iSeq 100 Sequencing System Guide (document # 1000000036024)* on the Illumina website.

The software package includes:

- Suite Installer v1.4.0
- iSeq™ 100 Control Software Server v1.4.0
- iSeq™ 100 Control Software Client v1.4.0
- Firmware v1.3.0
- Real-Time Analysis v2.12.5
- Universal Copy Service v1.5.4
- Local Run Manager v2.1.2

I. iSeq™ 100 Control Software Server, Client and Suite Installer v1.4.0

IMPROVEMENTS

- Enhanced first time setup workflow and system setting screens with updated defaults for Illumina Proactive.
- Added percent occupancy and percent clusters passing filter as a metric to the Active Sequencing Screen.
- In the event of consecutive images without intensity (usually due to a clustering failure) the run will stop with an error message. If this happens at the beginning of the run there will be an error expected approximately cycle 9.
- Instrument Performance Data (IPD) now includes thumbnail images, whenever Illumina Proactive is enabled in the software. This will reduce customer effort involved with collecting these log files during routine troubleshooting.
- Updated error message when software auto-updates are enabled, and the system is not connected to the internet.
- Added an error message with prompt to clean the flow cell and try again in the event of a uniformity failure during system check.
- Added warning message if the input number of cycles for read 1 or 2 exceeds cartridge limit.
- Added mapped drive (e.g. Z:) support for sample sheet and output folder fields in run setup.
- Ethernet connection names updated (ExternalConnection and DoNotDisable) to reduce confusion between external and internal network connections.
- Added a functionality in the Suite Installer that disables Windows lock screen.

BUG FIXES

- Added specific error message when UCS is unauthorized to access a folder, path contains invalid characters, or fails to connect to UCS. Updated "save" behavior to update UCS and use the new user credential to validate output folder.
- Resolved an issue that caused the CMOS flow cell heater to intermittently time out.
- Updated Bit Error Rate test in system check and pre-run check to retry on any error returned by firmware and determine pass or fail based on the 'BitErrorPassingRate' in the spec sheet.
- Various other bug fixes and optimizations.

II. Universal Copy Service v1.5.4, Local Run Manager v2.1.2, Real-Time Analysis v2.12.5, Firmware v1.3.0

- No change we made in this release.