

NextSeq RUO Software Suite Installer Release Notes

NextSeq Software System Suite 3.0.0

NextSeq Control Software 3.0.0

NextSeq Service Software 3.0.0

Real Time Analysis (RTA) 2.4.11

BaseSpace Broker 2.8.2

NextSeq Recipe Fragments 2.1.2

Sequencing Analysis Viewer 1.9.0

DMA Driver 4.5.3

Run Copy Service 1.0.20

For NextSeq 550Dx

March 8, 2018

Introduction

These Release Notes detail new features, improvements, and known issues for the NextSeq 550 RUO Suite Installer v3.0.0 installed on the NextSeq 550Dx. The previous software version was v2.1.3.

I. NextSeq Software System Suite 3.0.0

- .NET was removed from the installer as .NET 4.6 is included in Windows 10.
- Only Windows OS Admins can run the suite installer

II. NextSeq Control Software v3.0.0

NEW FEATURES

- Added support for fan modulation control
- Allowed use of Dx consumables on RUO instrument
- Added support for dual boot
- Added RecipeVersion and FirmwareVersion to the RunParameters.xml file

IMPROVEMENTS

- Updated UI look and feel
- Pressing Power button directs user to power options screen instead of immediate shutdown
- Restarting application from Start menu prompts the Power Options screen
- The LED and Exhaust fans are active during sequencing, and idle when not
- Updated loading videos
- Upgraded AutoCall/ AutoConvert to v2.0.2.6
- Fixed incorrect logging of version numbers at application startup
- Fixed issue where purge did not stop upon user termination

KNOWN ISSUES

- Run monitoring is enabled when the VeriSeq recipe is selected
- Inability to accept BaseSpace EULA through NCS

III. NextSeq Service Software v3.0.0

NEW FEATURES

- Added support for the new Minco heater calibration tool
- Added fan modulation control
- Disabled the following features as they are covered by NSSDx:
 - Advanced Tools: Cloud Registration
 - Mechanical and Fluidics Tests: Move to Ship, Thermal Verification, Enclosure Tests, Fluidics, Load Consumables, Flow Rate, Gravimetrics
 - First Time Setup: all except BeadChip tests
 - Imaging Functional Tests: All optical tests, Stage Tests, BeadChip scan Tests, Verify Instrument Settings, Load Consumables
 - About Screen: Software, Hardware, Logs, System Tools, Advanced Configurations
 - Front Panel Present Simulation: Tool Bar, Notification Window

IMPROVEMENTS

- Updated UI look and feel

KNOWN ISSUES

- Software ends subsequent Imaging Module Optical Tests upon failure of the Bit Error Rate test

IV. Real-Time Analysis (RTA) v2.4.11

- No updates

V. BaseSpace Broker v2.8.2

NEW FEATURES

- Support of EMEA BaseSpace hosting

VI. Recipe Fragments v2.1.2

- No Updates

VII. Sequencing Analysis Viewer (SAV) v1.9.0

- No updates

VIII. DMA Driver 4.5.3

- Renamed to "Illumina DMA Driver"

IX. Run Copy Service 1.0.20

- Updated for NextSeq 550Dx support