

NextSeq 550Dx Instrument Software Release Notes

NextSeq 550Dx Software System Suite v1.3.0.15

NextSeq 550Dx Operating Software v1.3.0.15

NextSeq 550Dx Service Software v1.3.0.15

NextSeq 550Dx Somatic Variant Module v1.3.0.0

NextSeq 550Dx Germline Variant Module v1.3.0.0

**For NextSeq 550Dx Instrument
(Diagnostic Mode)**

April 2019

Introduction

These Release Notes detail new features, improvements, and known issues for the NextSeq 550Dx Suite Installer v1.3 installed on the NextSeq 550Dx. The previous software version was v1.2.

For more information on the NextSeq 550Dx Instrument, see the NextSeq 550Dx Instrument Reference Guide (document # 1000000009513) available on www.illumina.com.

The NextSeq 550Dx System Suite Installer v1.3.0.15 software package includes:

- NextSeq 550Dx Operating Software v1.3.0.15
- NextSeq 550Dx Service Software v1.3.0.15

New versions of the following modules are also included in the Release Notes:

- NextSeq 550Dx Somatic Variant Module v1.3.0.0
- NextSeq 550Dx Germline Variant Module v1.3.0.0

I. NextSeq 550Dx Software System Suite v1.3.0.15

- Updated NOS and NSSDx to v1.3.0.15
- Updated firmware to v2018.2.0

II. NextSeq 550Dx Operating Software v1.3.0.15

NEW FEATURES

- Added compatibility for v2.5 flow cells
- Allow RUO flow cells to be used for manual post-run wash

IMPROVEMENTS

- Fixed an issue where mid throughput flow cells were causing errors during post run wash
- Added additional instrument performance metrics
- Updated error messaging when a flow cell is not compatible with other consumable components
- Fixed an issue where the consumable RFIDs were not marked as used if power failure occurred
- Fixed an issue where LED exposures were not being logged
- Fixed an issue where flow cell temperature was not being logged appropriately
- Fixed an issue where retry logic was not being logged

KNOWN ISSUES

- Instrument does not notify user to perform a required restart if an unrecoverable error during wash occurs

III. NextSeq 550Dx Service Software v1.3.0.15

NEW FEATURES

- Added compatibility for v2.5 flow cells

IV. NextSeq 550Dx Somatic Variant Module v1.3.0.0

NEW FEATURES

- Added compatibility for v2.5 flow cells
- Fixed an issue where manifests would load out of order when editing a run

V. NextSeq 550Dx Germline Variant Module v1.3.0.0

NEW FEATURES

- Added compatibility for v2.5 flow cells

Release History

Version	ER #	Originator	Description of Change
00	DIR Workflow	K. Gagnet	Initial Release