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HiSeq Instrument Software Release Notes

HCS v2.0.12

RTA v1.17.21.3

Recipe Fragments v1.3.61

Illumina BaseSpace Broker v2.0.13022.1628

SAV v1.8.20

For HiSeq® 2500 and HiSeq® 1500 Systems

June 2013

Introduction

These Release Notes describe the key changes in the software package for HiSeq 2500 and 1500 instruments. The software package includes the versions listed below. This release includes new version of HCS (v2.0.12) and Recipe Fragments (v1.3.61) which include important bug fixes. For other packages in this release which were not changed in this release, see the release notes for HCS v2.0.5 and HCS v2.0.10 for more information.

- HiSeq Control Software (HCS) v2.0.12
- Real Time Analysis (RTA) v1.17.21.3 – no change in this release
- Recipe Fragments (RF) v1.3.61
- BaseSpace Broker v2.0.13022.1628 – no change in this release
- SAV v1.8.20 – no change in this release

I. HCS v2.0.12

BUG FIXES:

- If a normal stop and run resume is performed during Read 1, the user will now be able to load Paired End reagents and smoothly continue the run via the "Next" button on the HCS interface.
- HCS will now confirm access to the specified output path at the Start run panel immediately before the run begins.

KNOWN ISSUES:

- When specifying a sample sheet during run setup, the use of Custom Recipes is not currently possible. The following workaround is available:
  - o Start the run using the desired Custom Recipe without specifying a sample sheet at run setup.
  - o Once the run starts, manually copy the sample sheet into the Temp directory copy of the Run Folder, and restart RTA using the RTA.bat file. The sample sheet must be named "SampleSheet.csv".

- When performing a Read 2 Rehyb on High Output or Rapid Runs, the HP3 (position 18) and HT2 (position 19) reagent lines will not automatically be primed. As a workaround, manually pump 150ul of reagents in positions 18 and 19 prior to beginning the rehyb process. This can be accomplished using the HCS-Check function.
- If no individual lanes are selected for alignment to PhiX, all lanes will be aligned to PhiX.
- Cif files improperly accumulate in the BaseSpace Temp folder when Save Cif files and instrument health data are selected, or if BaseSpace is used for either Run Monitoring Only or Data Transfer and Analysis. As a workaround, when saving Cif files, disable the instrument health data option, and do not use BaseSpace for either Run Monitoring Only or Data Transfer and analysis.

- When switching between Rapid Run and High Output run modes, the pump settings on the flow check screen during the wash setup may not reset to the recommended 250ul value for an 8 lane flow cell. Please ensure that the aspiration value of 250 is manually entered in this screen in order to prevent fluidics issues caused by pumping too fast on a High Output flow cell.

II.   RTA v1.17.21.3

Note: No changes were made to this application.

III.   Recipe Fragments v1.3.61

BUG FIXES

- The variability files are now installed to the proper directory locations on all hardware types.

IV.   Illumina BaseSpace Broker v2.0.13022.1628

Note: No changes were made to this application.

V. Sequencing Analysis Viewer v1.8.20

Note: No changes were made to this application.

KNOWN ISSUES

- Data for lane 1 is not displayed.