

CG000352 Rev K

Chromium Connect Software Release Note

FOR USE WITH

Chromium Connect, PN-1000171

Chromium Connect, PN-1000180

Notices

Document Number

CG000352 • Rev K

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Chromium Connect Software Release Note

Item	Description
For Use With	PN-1000171 Chromium Connect PN-1000180 Chromium Connect
Software Version	V2022.03.30 Additional specifics: Chromium Automated Controller V4.1.0 (FW 4.0.1, TEC FW 1.5.0) Chromium Connect User Interface V1.30.3.6 Chromium Connect Automated Assays: Build 606 Hamilton Nimbus8 Software Version 2.1.4 rev B SP2 Hamilton Nimbus8 Firmware Version 2.1.3 SP1
Software Release Date	March 2022
Compatibility	Chromium Connect Instrument
Features	<ol style="list-style-type: none"> 1. New Single Cell 5' Feature Barcode Library Construction Kit 2. Add "Resuspend Dynabeads" information to Load Sample Plate screen(s) 3. Disable/enable Assay Kits 4. Enhancements to instrument user interface Run screen information display 5. User interface Run Report list updated to include color codes to specify status (Red - ERROR; Yellow - CANCEL/ABORT; Green - SUCCESS) 6. New user interface screen image (10x Genomics Logo) viewer and image exporter
Bug Fixes & Changes	<ol style="list-style-type: none"> 1. Power cycling instrument failure fix to allow user to run assays 2. Automated Single Cell 3' and 5' Library Construction assay failure to run immediately after software installation 3. User interface invalid numeric input data does not properly display text and error indicator

Previous Software Releases

Item	Description
Previous Software Version V2022.01.14 Software Released: January 2022	

Bug Fixes & Changes

1. Power cycling instrument failure fix to allow user to run assays
2. Automated Single Cell 3' and 5' Library Construction assay failure to run immediately after software installation
3. User interface invalid numeric input data does not properly display text and error indicator

Previous Software Releases

Previous Software Version V2021.12.14

Released: December 2021

Features

1. New Chromium Next GEM Automated Single Cell 3' v3.1 & 5' v2 cDNA and Library Construction Kit and __workflow compatibility
2. Autoamated universal Library Construction workflow
3. Increase in library pooling capability (8 to 32) and the number of pools to populate (1 to 6)
4. Comfort Lid quantity reduction for assays

Bug Fixes & Changes

1. Email notification improvements
2. Additional error recovery
3. LIMS workbook update for duplicate Sample Index entries

Previous Software Version V2021.09.28

Released: September 2021

Features

1. Chromium Next GEM Single Cell 3' v3.1 Gene Expression Automated workflow supports Dual Indexing
2. Assay run Pause button disables during critical sections of the workflow
3. Instrument controlled HEPA operation availability
4. HEPA Fans turn ON after Setup phase of workflow
5. New status bar indicators for network and remote server connection

Bug Fixes & Changes

1. Improvements in user interactive error recovery situations

Previous Software Version V2021.05.27

Released: May 2021

Features

1. Updated for Chromium Next GEM Single Cell 5' v2 assay
2. Prevents selection of inaccessible Gel Bead wells
3. New Run Setup Confirmation screen

Bug Fixes & Changes

1. Invalidates improperly formatted email address entered by user

Previous Software Releases

Previous Software Version V2021.03.31 Released: April 2021

Features

1. Instrument login status
2. Pause Button warning to indicate that the run may abort if instrument is paused
3. Updated LIMS import to assay template files

Bug Fixes & Changes

1. Anti-droplet Control (ADC) channel failure terminates assay
2. Troubleshooting package failure to include all data
3. Data transfer handling of Software Upgrade program from a USB
4. Control Panel failure when executing Thermal Cycler "Run protocol"
5. Incorrect recovery dialog appears when a Carrier "break" sensor error is detected
6. If a run is cancelled, screen prompts the user to remove Chip from the Automated Chromium Controller
7. Messaging update to Tip pickup failure error handling

Previous Software Version V2020.10.07 Released: October 2020

Features

1. Loading of pipette tip racks scales with number of samples
2. LIMS Output to include a run result field (i.e. SUCCESS | FAILURE | ABORT)
3. Screen display to indicate status of Chromium Connect Software update

Bug Fixes & Changes

1. HEPA light remains ON during a run
2. cDNA no longer aliquoted to TS-1 when mid-run QC is skipped
3. Updated maintenance screens
4. Pre-run deck check ensures Waste Bar is present
5. Repetitive prompt to refill pipette tips removed
6. Wraparound selection of SI wells now compatible with the assay
7. Secondary Assay transition corrected to proceed with beginning or end of run inputs

Previous Software Releases

Previous Software Version V2020.07.31
Released: August 2020

Features

1. Chromium Automated Controller Firmware update (v4.1.0) integrated into Chromium Connect Software update
2. Software integration for HEPA CAP hood functionality
3. Capability to export barcode information into LIMS and run audit logs
4. Added LIMS compatibility for qPCR and Pooling

Bug Fixes & Changes

1. Updated User Interface screens for general consistency of language and formatting
 2. Added sound notification for GEM Check Timer
 3. Minor bug fixes to user interface and barcode scanning
 4. Added ability to remove network drives in menu settings
 5. Enabled data purging off storage databases
 6. Easier access to waste bin during maintenance
 7. Pooling assay accepts sample input
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