**Bio-Rad
Laboratories, Inc.**

Release Notes for the QX ONE Droplet Digital PCR System and QX ONE Software

Version 1.2

December 2021

Contents

Introduction

The QX ONE Droplet Digital PCR System and QX ONE Software provide users with the capability to set up and run up to five plates concurrently through three ddPCR phases (droplet generation, thermal cycling, and droplet reading), and then analyze the results.

Supported Operating System

QX ONE Software is supported on the 64-bit Windows 10 operating system.

Upgrading to New Versions

Using the instructions below, you can download and install Standard Edition. If you are using Regulatory Edition, contact Bio-Rad Technical Support.

To upgrade the software to v1.2

1. Enter the following URL in your browser: http://www.bio-rad.com

2. Log into the website with your Bio-Rad user name and password.

3. Enter QX ONE Software into the Search field and click the Search icon.

4. Select the Downloads tab.

5. Locate QX ONE Software, Standard Edition, v1.2 and click Download Software.

6. In the Software Download window, select the *I agree with the compliance requirements* checkbox, and then click Download.

7. A zip file is downloaded and appears in your Downloads folder. This process can take a few minutes.

8. Open the Downloads folder and select the QXOneStandard_1.2 zip file.

9. Right-click and select Extract All.

10. Select a destination folder and select the Show extracted files when complete checkbox, and then click Extract.

11. Open the folder containing the extracted files, and locate the .exe file.

12. Double-click the file to begin the installation.

13. Follow the prompts to install QX ONE Software, Standard Edition, v1.2.

Important: During the installation of Standard Edition, you are prompted to either enable the User Management module, or keep the checkbox cleared and use the software with a single generic user. See Enabling User Management in the next section.

New Features

The following features are new in QX ONE Software, v1.2.

Manage Plate User Privilege

If you are assigned the Manage Plate user privilege, you can

- Cancel plate runs that are in progress
- Change the run order for plates that are still in the instrument inbox

Data Recovery

Using the Data Recovery tab in the System Data window, you can recover data from a failed run that the system placed in a temporary file. The functionality allows you to select the temporary file, and then prompt the software to convert the temporary file to a run file for analysis of the available data.

Troubleshooting Data Collection

Using the Troubleshooting Data tab in the System Data window, you can prompt the software to collect and store system logs and raw plate data for a specified date range, as well as version and calibration data.

Positive Control Thresholding

You can automatically threshold wells based on the positive control well.

Audit Log

In the Regulatory Edition Analysis module, you can see the audit trail in the Run Information window.

Enabling User Management

During the installation of the Standard Edition, QX ONE Software displays a dialog box from which you can enable the User Management module or leave the default disabled status. If you enable the functionality, all user management options are available. If not, all lab users can use the software under a single generic user.

Fixed Issues and Improvements

Fixed Issues

The issues shown below are fixed in v1.2.

- The 7zip file compression tool sometimes failed to launch, which resulted in failed runs.

- Merged wells displayed the droplet count and linkage information as 0.

- The Export Cluster Data function exported CSV files containing information for channels 1 and 2 only.

- The Run Setup report indicated the serial number was for the droplet reader rather than the QX ONE instrument.

- If multiple plates were loaded into the instrument inbox, the Delete Plate and Add Plate buttons in QX ONE Software were sometimes disabled after one of the plates was deleted.

- QX ONE Software sometimes crashed when multiple wells were selected for thresholding.

- When saving a data file, QX ONE Software sometimes displayed an Unknown Error message.

- The Analysis Report included duplicated rows.

- If no matches were returned from a plate template search, and you cleared the search field, QX ONE Software cleared all template files from the dropdown list.

- The QX ONE Droplet Digital PCR System did not prompt an error message in QX ONE Software when the droplet reading oil bottle was empty or the waste bottle was full. As a result, plates were not moved forward to the next process.

- When you selected and entered the default value for Assay Type, and then modified the target information, QX ONE Software crashed.

- Upon startup, the waste overflow sensor did not detect the current level in the waste bottle.

Improvements

- If you are not assigned the user privilege to overwrite an existing data file name, you can save your own data files with a new file name.

Known Issues

- An incorrect orientation message fails to close after a loaded backward plate is deleted.

- The consumables check sometimes indicates insufficient oil and waste volumes.

- When a plate is removed from the inbox while the QX ONE Droplet Digital PCR System is busy running another plate, QX ONE does not recognize the missing plate and fails to display an advisory message.

- QX ONE Software does not move aborted plate runs to the completed runs list.

- Errors do not include the full text in the error pop-up screen.

- The system occasionally times out when waiting for the Outbox door to open, leaving the Open Outbox door button disabled.

- If the user waits too long to scan the RFID tag when adding a new plate, the RFID scanner becomes inactive.

  Workaround: Delete the plate, and then add the plate again and scan the RFID tag.

Documentation

For information on the QX ONE Droplet Digital PCR System and QX ONE Software, refer to the following documents:

- QX ONE Droplet Digital PCR System and QX ONE Software User Guide

- QX ONE Software User Guide, Standard Edition

- QX ONE Software User Guide, Regulatory Edition

Contacting Technical Support

The Bio-Rad Technical Support department in the U.S. is open Monday through Friday, 5:00 AM to 5:00 PM, Pacific Time.

Phone: 1-800-424-6723, option 2
Email: Support@bio-rad.com (U.S./Canada Only)

For technical assistance outside the U.S. and Canada, contact your local technical support office or click the Contact Us link at www.bio-rad.com.

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