Bio-Rad Laboratories, Inc.

Release Notes for the BR.io Cloud Platform

Version 1.8

May 2024

Contents

Introduction

You can use the BR.io Cloud Platform to remotely access functionality associated with your connected Bio-Rad instruments.

BR.io currently integrates with the following instruments:

- CFX Opus Real-Time PCR System
- PTC Tempo Thermal Cycler
- ChemiDoc Go Imaging System

This document summarizes new features and improvements and provides a concise list of known issues.

Note: For detailed information regarding the supported instruments, refer to the corresponding instrument guides available at www.bio-rad.com.

Supported Browsers

BR.io is supported on the following browsers:

- Chrome desktop browser v108 and above
- Safari desktop browser v16 and above

New Features

Integration with the ChemiDoc Go Imaging System

The ChemiDoc Go Imaging System facilitates image acquisition for selected gel and blot applications. Using Image Lab Touch from the instrument touch screen, you can acquire data from a single channel image or a multichannel image (1–3 channels) that can include fluorescence, chemiluminescence, and colorimetric applications.

After image data is acquired, you can

- **Export the image file to BR.io**

  All images exported to BR.io appear on the Files page. An abbreviated list appears under Recent Files on the Home page.

- **Display the image details (metadata) in BR.io**

  Click the image name to open the ChemiDoc Go Run page, which contains acquisition and image information.

- **Download the image file for viewing and analysis in Image Lab Software**

  Image Lab Software (Version 6.1 or later) is Bio-Rad's standalone software application for sophisticated image analysis. In Image Lab, you can display and analyze single channel and multi-channel gel and blot images. For more information, go to bio-rad.com.

Known Issues

BR.io

- In the protocol view, if a protocol name with 255 characters contains no spaces, then the name does not fit in the text box. To avoid text overflow past the field boundaries, use spaces in long protocol names.
- You must perform a hard refresh (CTRL-F5 for Windows, CMD-SHIFT-R for a Mac) to display newly released online help content.
- BR.io accepts multiple ChemiDoc Go user accounts and allows them to link to the same BR.io user account; however, if one user unlinks the instrument from the BR.io account the instrument is removed from the BR.io Instruments page, but other users still see their accounts as linked on the instrument. To avoid confusion, Bio-Rad recommends that you link each instrument user account to a separate user account in BR.io.

PTC Tempo

- You might encounter the following issues when linking your PTC Tempo instrument to BR.io:
  - If your browser is not connected to the network, submitting a valid instrument linking code prompts an invalid code error in BR.io.
  - You must use lower-case characters for your BR.io username, or the login fails during the linking process.
- If your PTC Tempo instrument loses internet connectivity, an in-progress run remains in progress in BR.io, and the instrument fails to upload a run report.

- If you are using a Safari browser and the PTC Tempo run report file name is between 252 and 255 characters, you cannot download the run report as a PDF. You must rename the file with fewer characters or use Google Chrome to download the PDF.
- For content allowed in certain fields, note the following differences between BR.io and the PTC Tempo:

  Maximum time: In BR.io, you can set a maximum time for a protocol at 64800 seconds, but the PTC Tempo allows up to 64799 seconds only. If you enter 64800, the instrument automatically decreases the run time by 1 second.

  Non-GOTO step fields: In BR.io, you can edit the Increment and Extend fields in temperature and gradient steps; however, the instrument does not allow editing of those fields and ignores the BR.io values during the run.

  GOTO step counts: In BR.io, you can specify up to 9999 GOTO steps in a PTC Tempo protocol, but the instrument limits the user to 999 GOTO steps only. If you enter 1000 or more, the instrument automatically reduces the GOTO repetitions to 999.

  Protocol name: In BR.io, you can name a PTC Tempo protocol using up to 255 characters, but the instrument allows up to 32 characters only.

  Note: BR.io allows longer entries in alphanumeric character fields to support current and future connected instruments.

CFX Opus

- BR.io allows you to create CFX Opus protocols containing melt and temperature steps under 4° C, although those temperatures are not supported by CFX Opus instruments. To avoid issues with the run, ensure the temperature is 4° C or above.
- You must close the run successfully uploaded to your BR.io account dialog box soon after the run is completed, or BR.io incorrectly displays the CFX Opus status as Offline.
- If you navigate from the CFX run workflow while uploading a file, BR.io does not warn you about unsaved changes to your CFX run.
- For CFX Opus templates, note the following:
  - You must create CFX Opus run templates from an existing completed CFX run file.
  - You cannot open, view, or edit CFX Opus run templates independently.
  - After saving the run file created from a template, you cannot directly edit the sample list.
  - If the sample list contains fewer samples than the plate layout accepts, you must open the run file after it has been saved, and manually clear the unused wells from the plate.
- BR.io does not currently support the following:
  - Analysis of .pcrd or .zpcr files containing legacy or user-calibrated fluorophores; you can upload the files in BR.io, but errors are likely if you work with the data in the Analysis module.
  - Application-based analysis, such as standard curve/absolute quantification, gene expression/relative quantification, and allelic discrimination

Documentation

Click the following URL, and then click the ? icon to access Help options.the online Help Center.

https://br.io

You can select from the following user documentation options:

- Help For This Page displays a help topic for the application page that is active
- Help Center opens the entire web-based help system

You must be logged in to see the Help icon.

You can also expand the EXPLORE.BR.io pane to access instrument-specific online help.

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.

Legal Notices