PCR Result Analyzer

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USER GUIDE

PCR RESULT ANALYZER

www.app.pcrresultanalyzer.com

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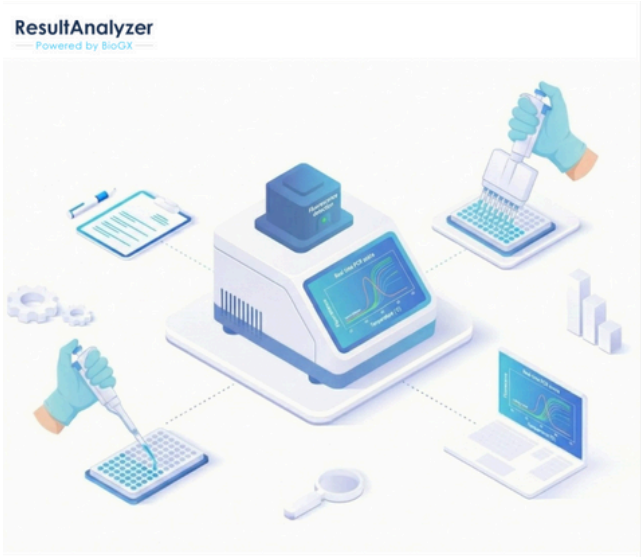
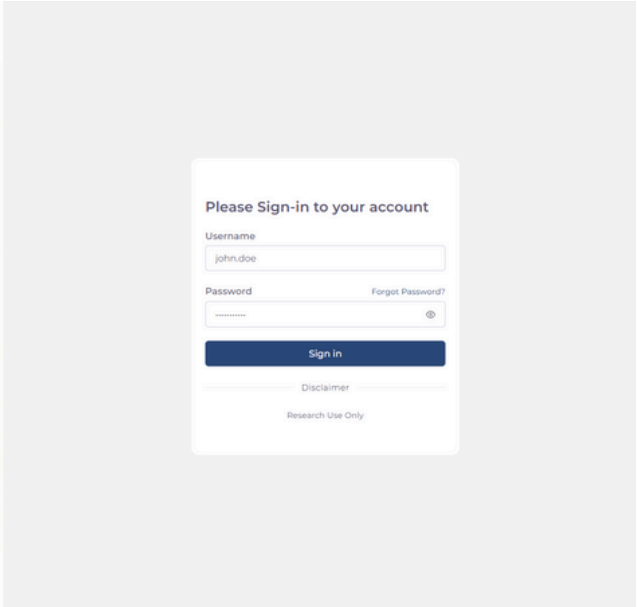
Login

1. Open www.app.pcrresultanalyzer.com
2. Sign in using your secure user credentials.



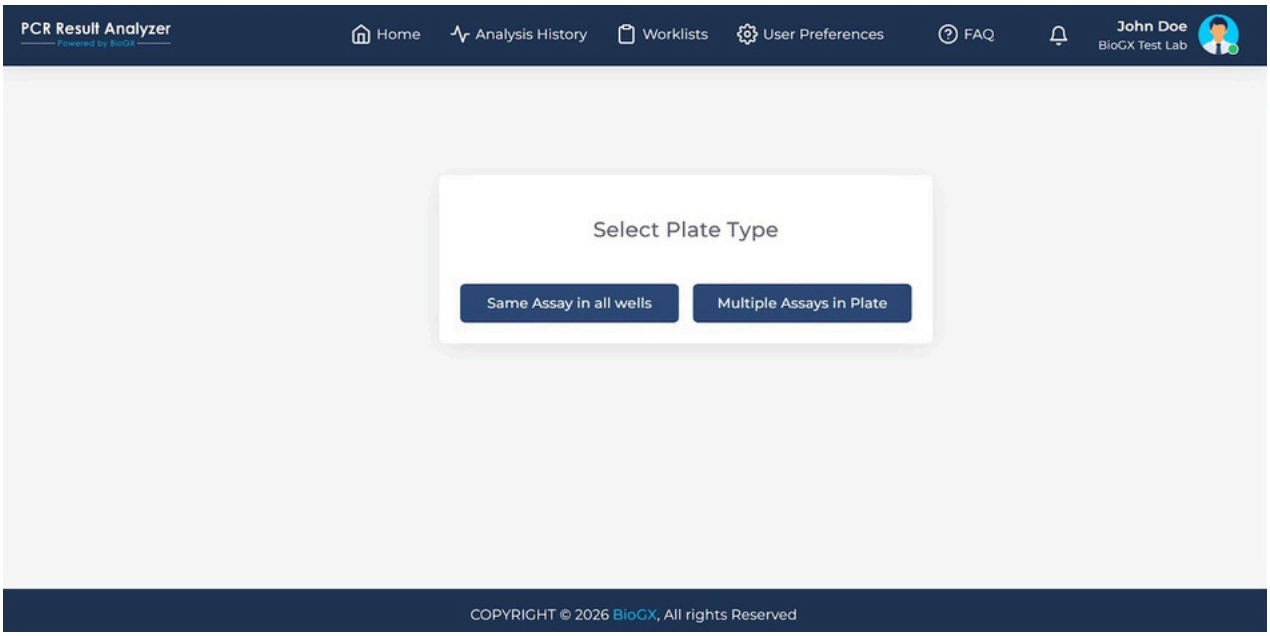


Select Plate Type

After login, the user is presented with two options:

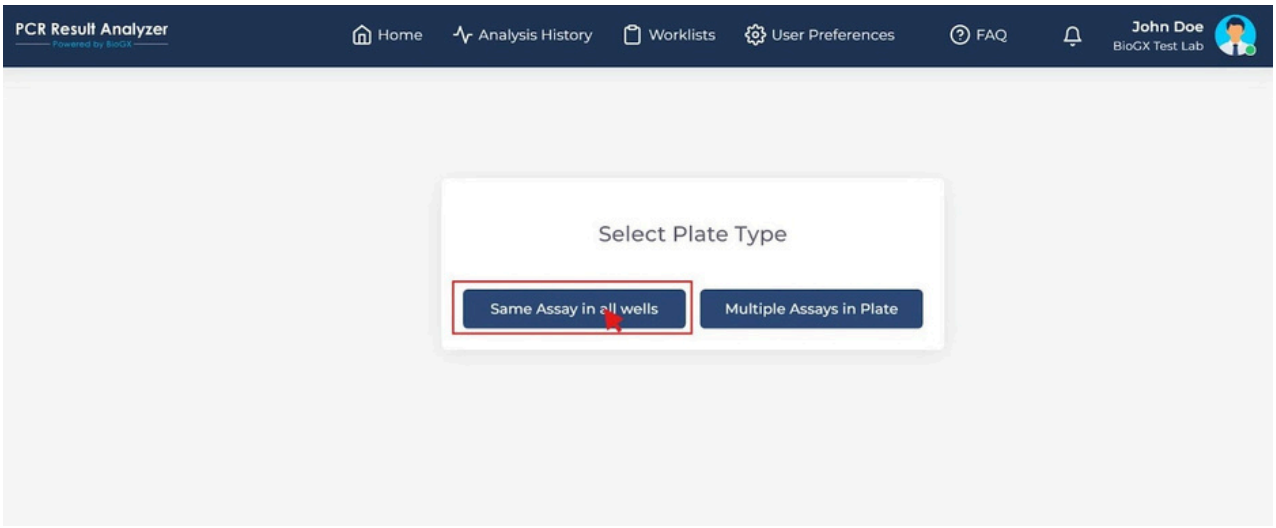
- Same Assay in All Wells
- Multiple Assays in a Plate

Select the option that matches how the PCR plate was set up.



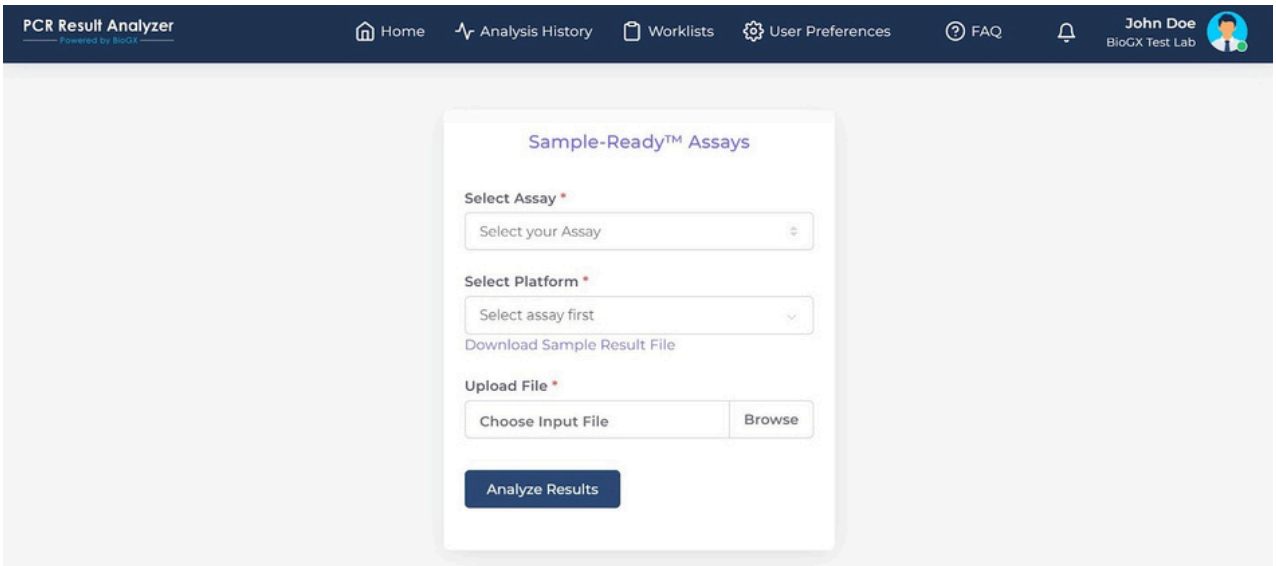
Single Assay Result Analysis

a. Choose the “Same assay in All Wells” to analyze results for single-assay experiments.



b. On the next screen,

1. Select Assay Type.
2. Select the real-time PCR platform and well plate format used to generate results (for example, QS5 96-well plate).
3. Choose Panel of the assay.
4. Upload the generated Results File in Excel format (.xls, .xlsx, or .csv).
5. Click Analyze Results.



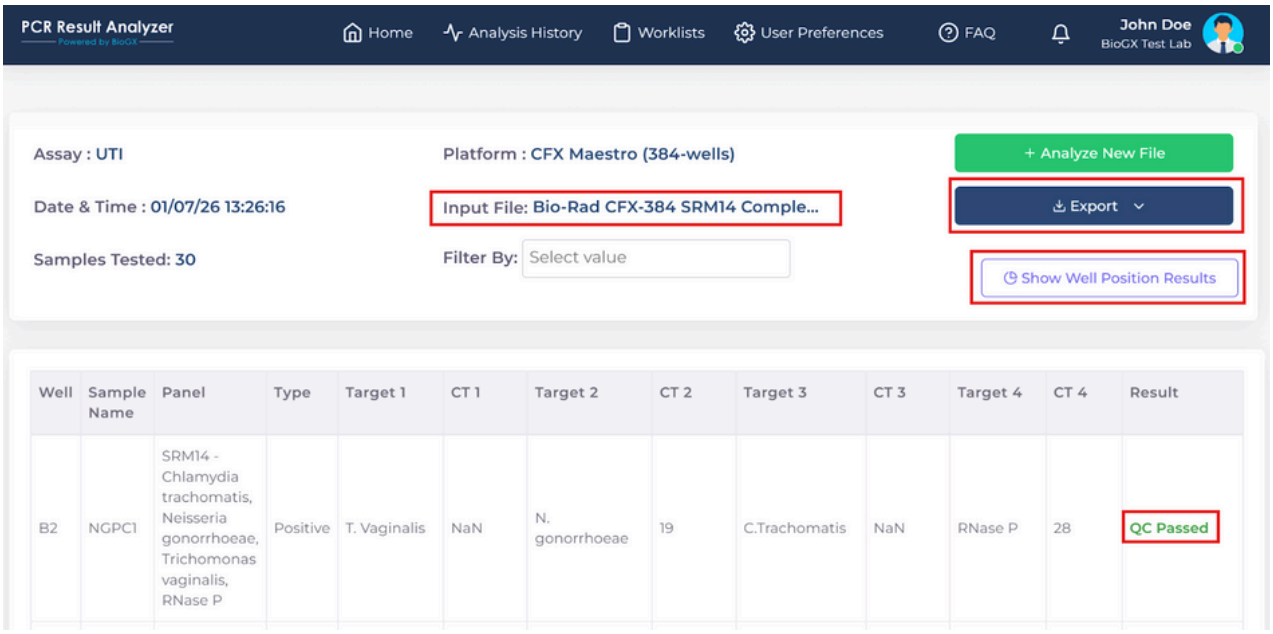
c. Results

The Results screen includes:

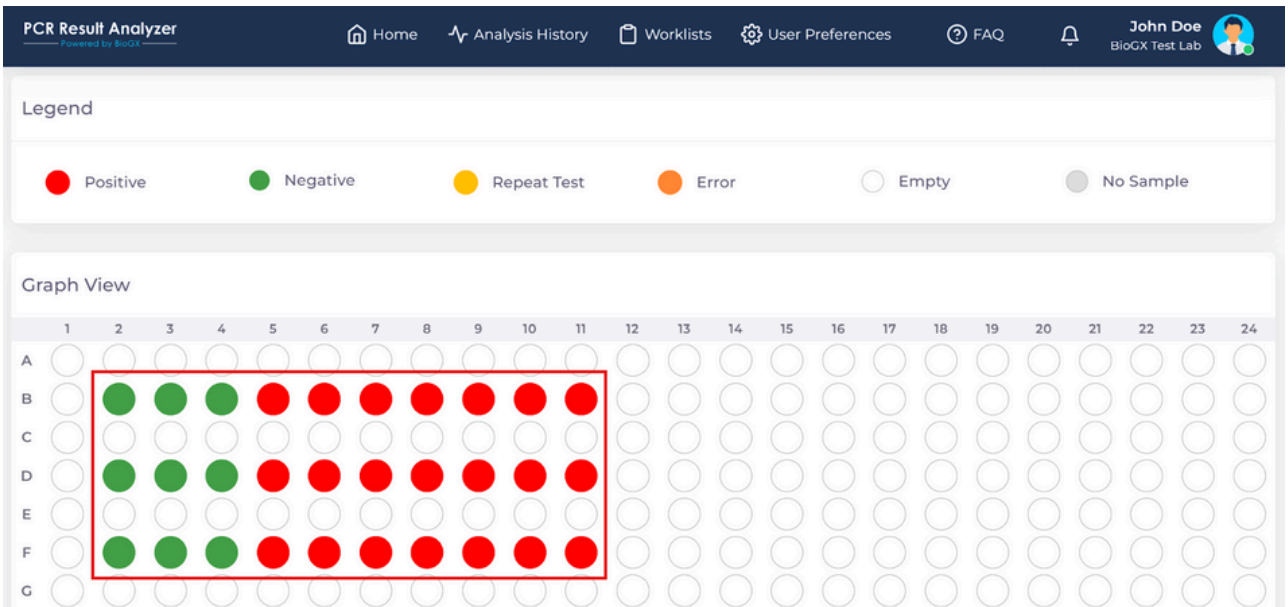
- Assay Name
- Platform
- Date and Time
- Name of Input File
- Number of sample tested

The Result Table includes:

- Well Position
- Sample Name
- Panels
- Targets and their Ct values
- Result Status

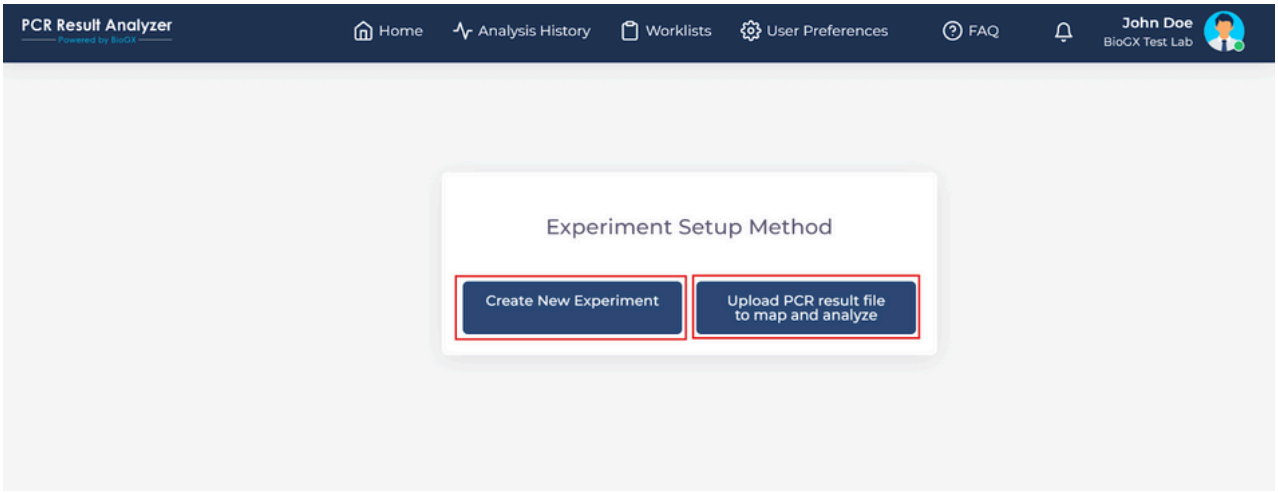


d. Results can be visualized by well position or exported in different formats.

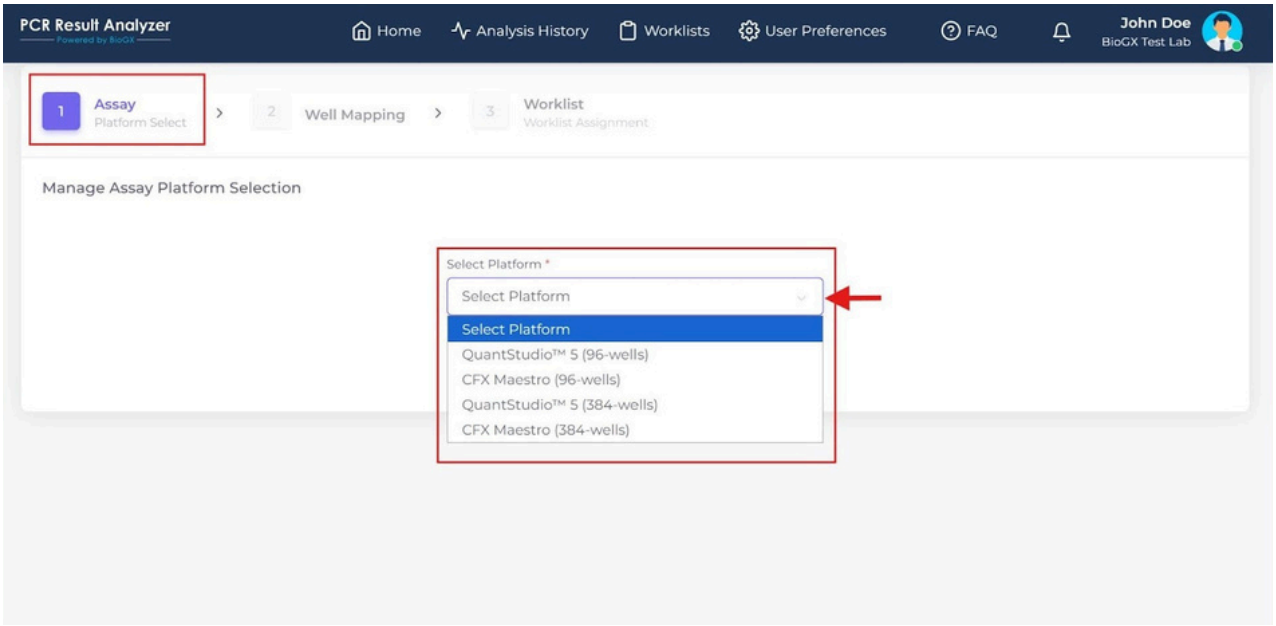


Multiple Assays - Create New Experiment

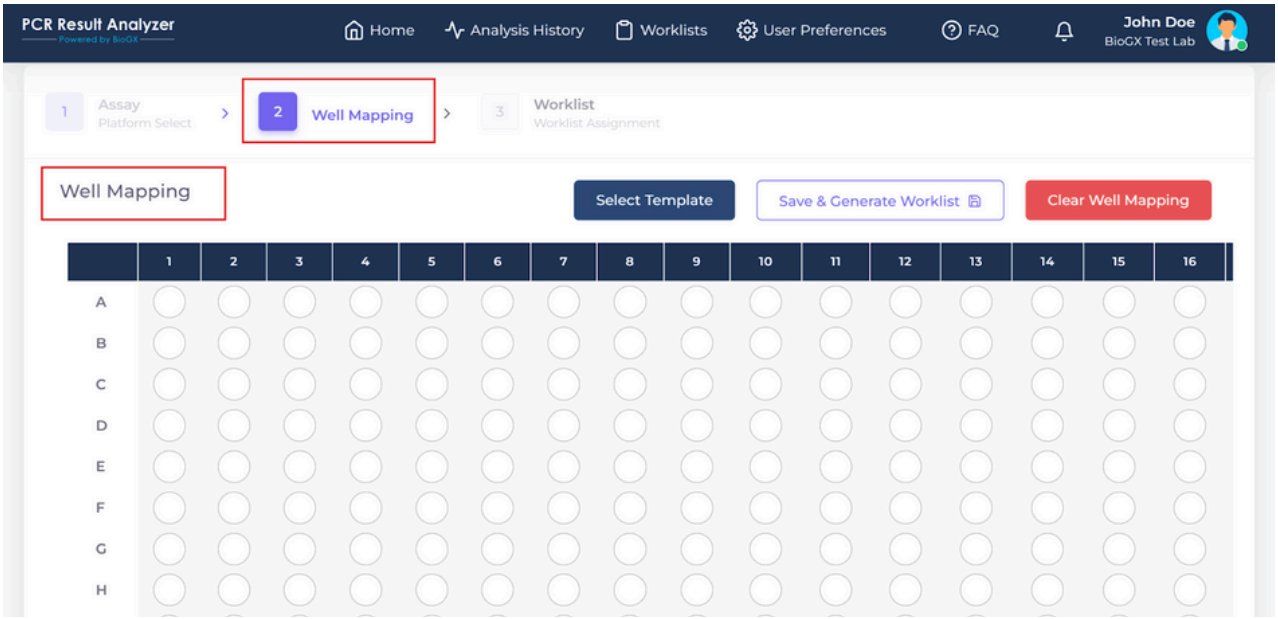
a. Choose Multiple Assays in Plate, then select Create New Experiment.



b. Select the real-time PCR platform used for setting up the well plate.

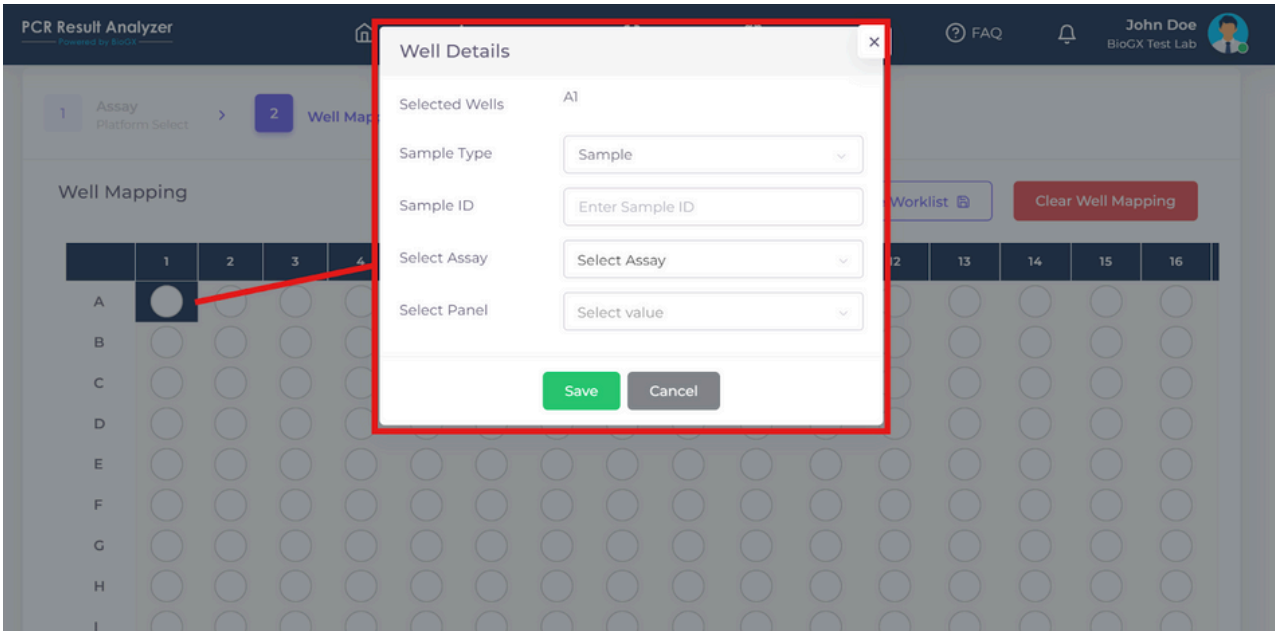


c. In the Well Mapping screen, set up well mapping manually according to experiment requirements.

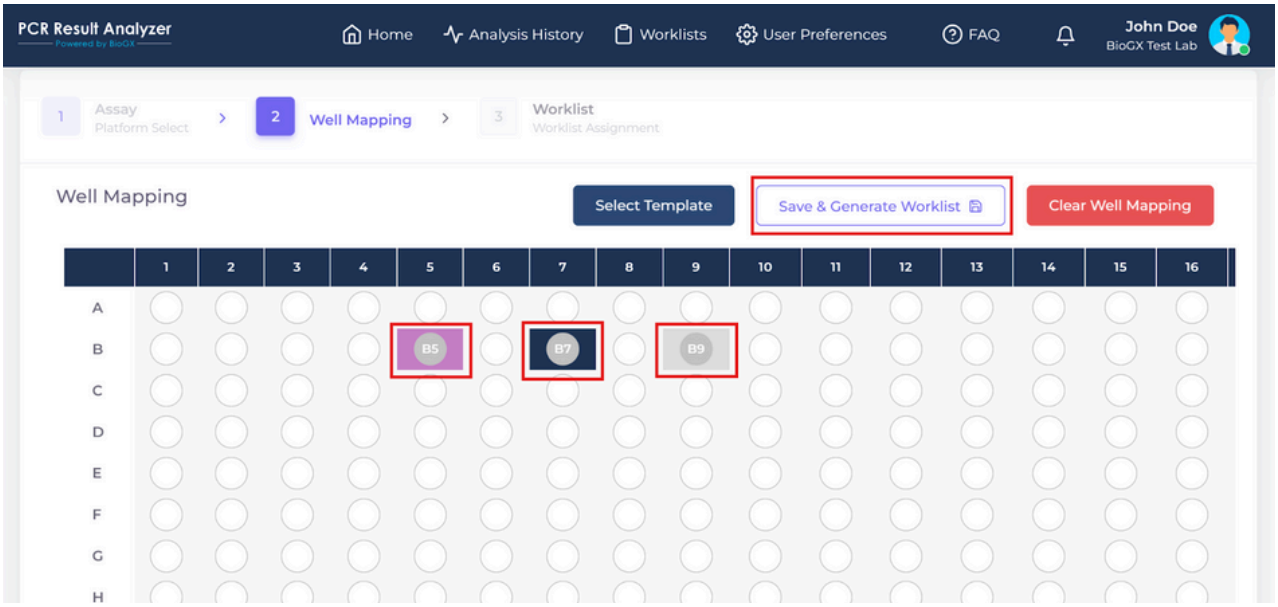


d. Click a Well position to edit it. In the pop-up window, enter:

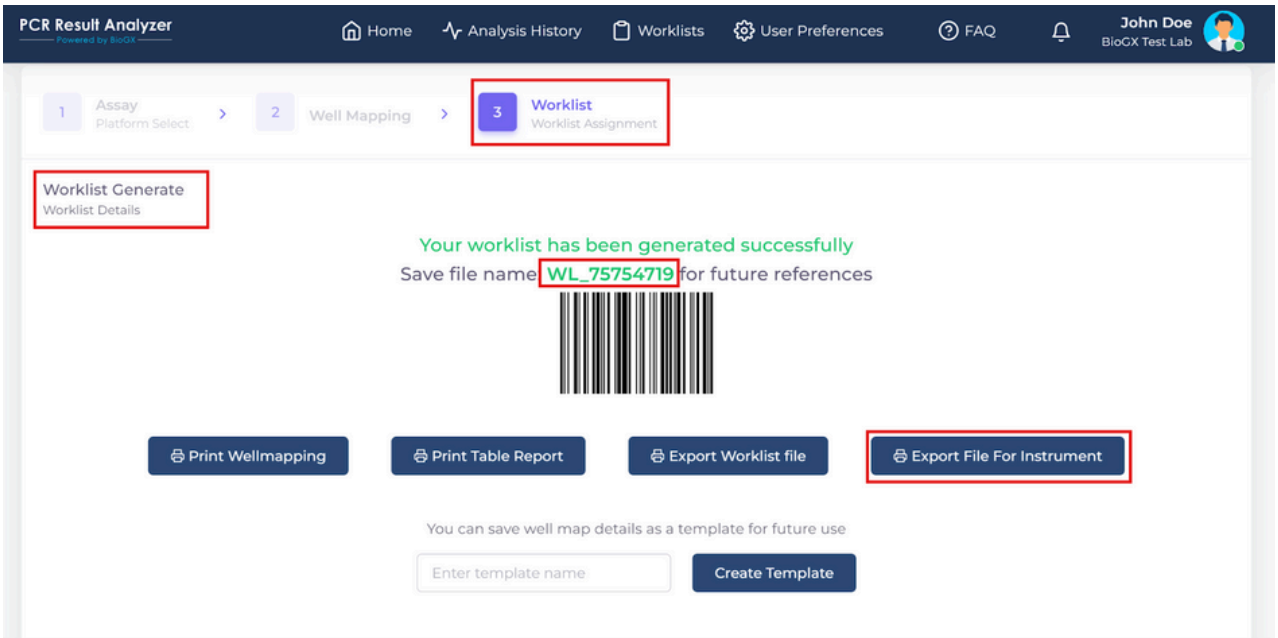
1. Sample Type (Positive, Negative, Sample)
2. Sample ID
3. Select Assay
4. Select Panel



e. After completing well mapping, click Save & Generate Worklist.

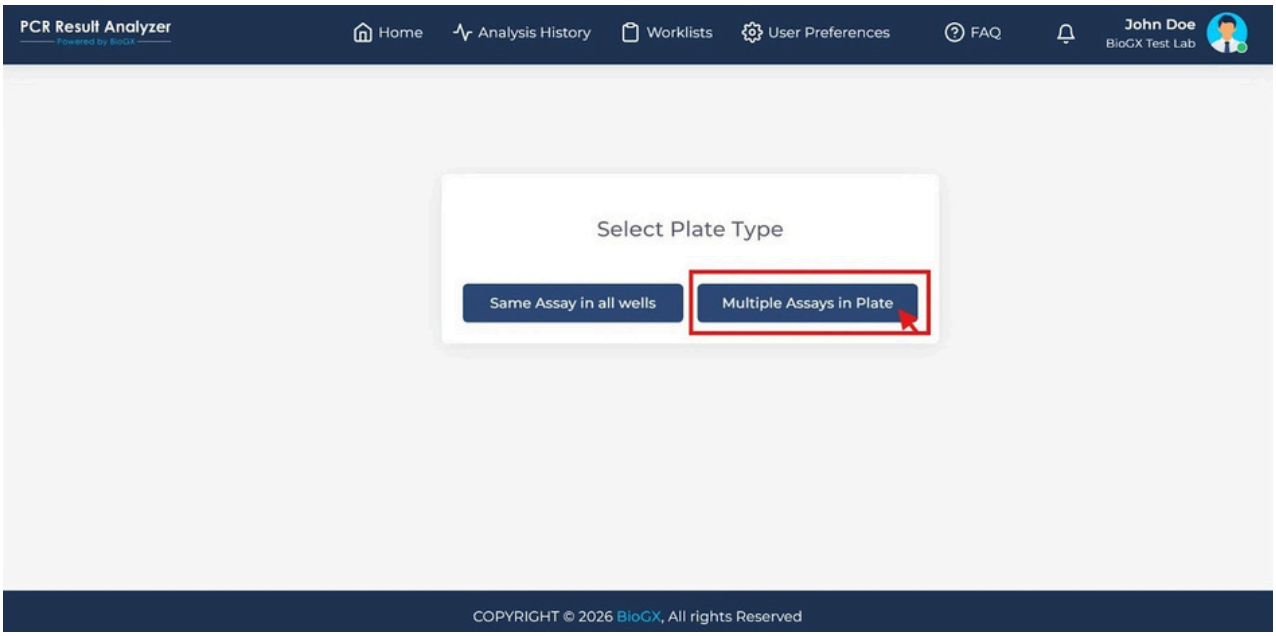


f. A worklist file with a unique Worklist ID is generated. The worklist can be exported and uploaded to the instrument software for running the experiment.

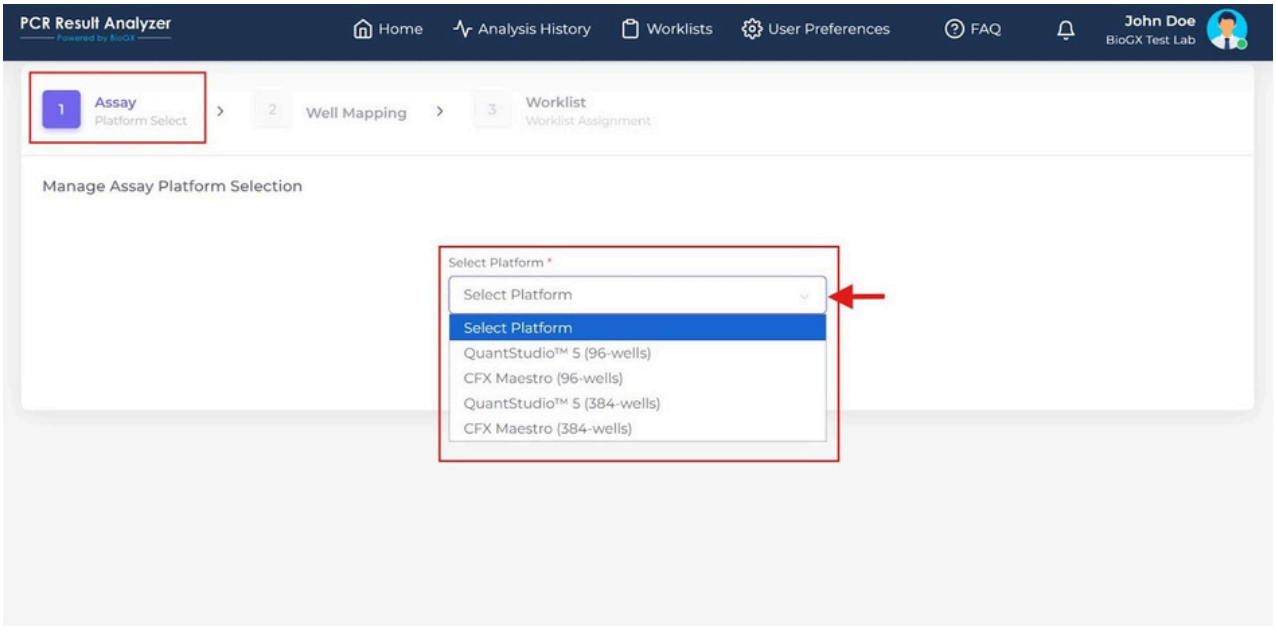


Multiple Assays – Upload PCR Result File

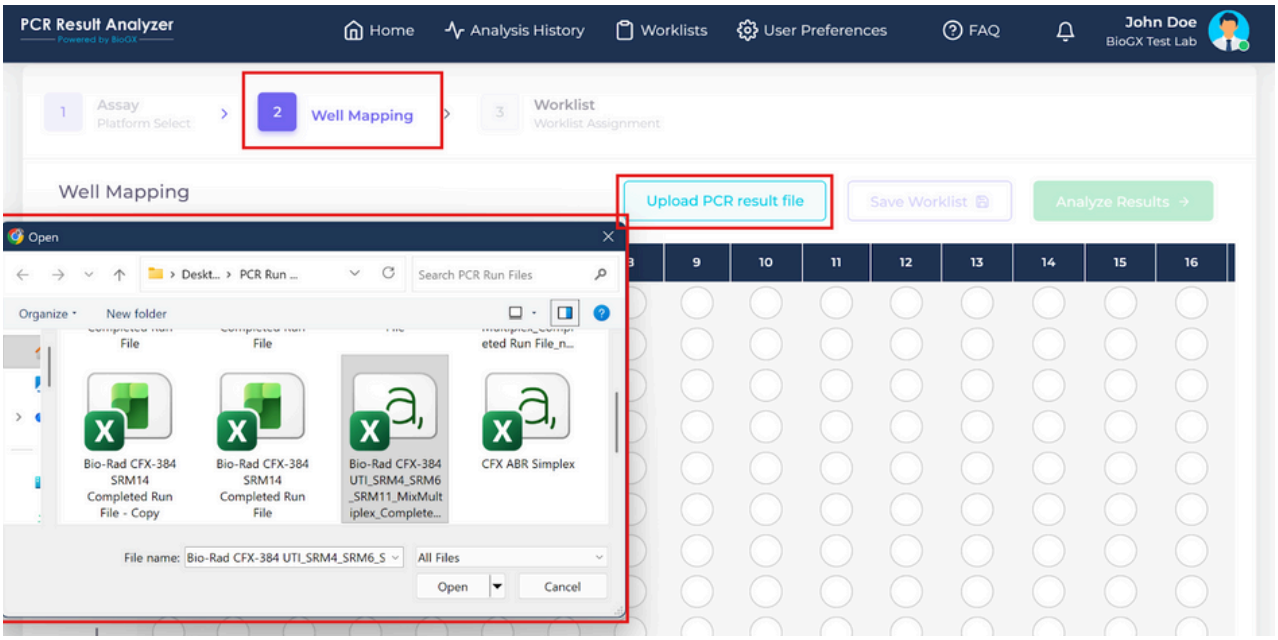
a. Choose Multiple Assays in Plate, then select Upload PCR result file to map and analyze.



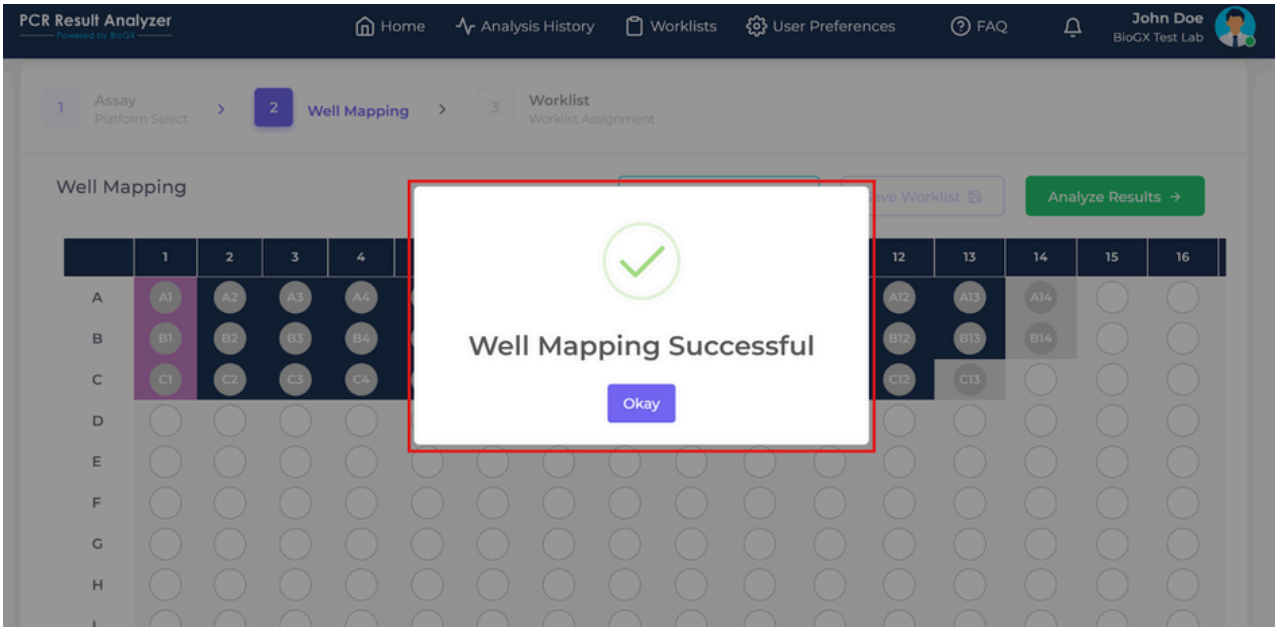
b. Select the real-time PCR platform.



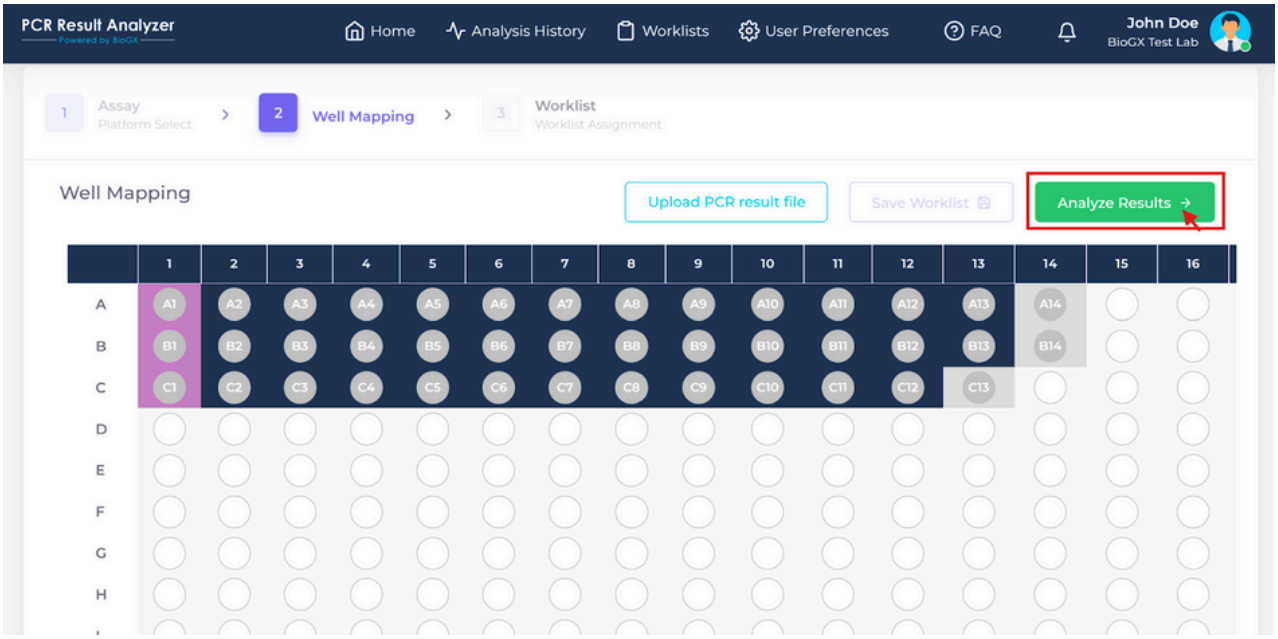
c. Upload the PCR result file exported from the instrument.



d. The Analyzer automatically parses the file, maps wells, and populates the well table. Click Okay after successful well mapping.

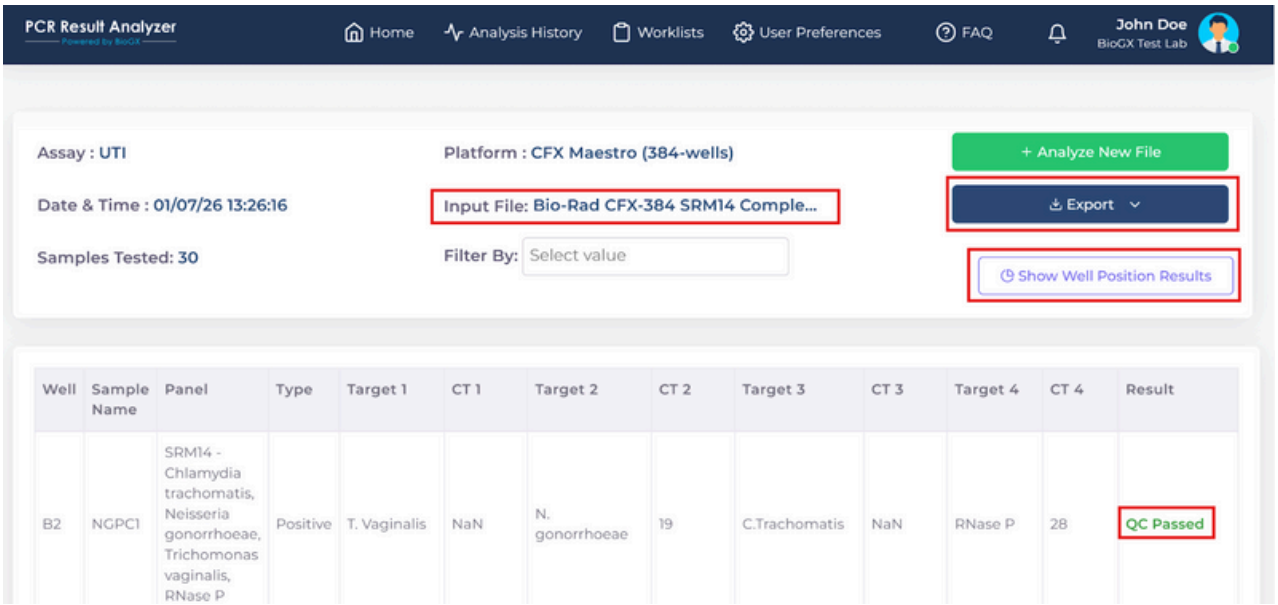


e. Review well mapping and well table details. Click Analyze Results.



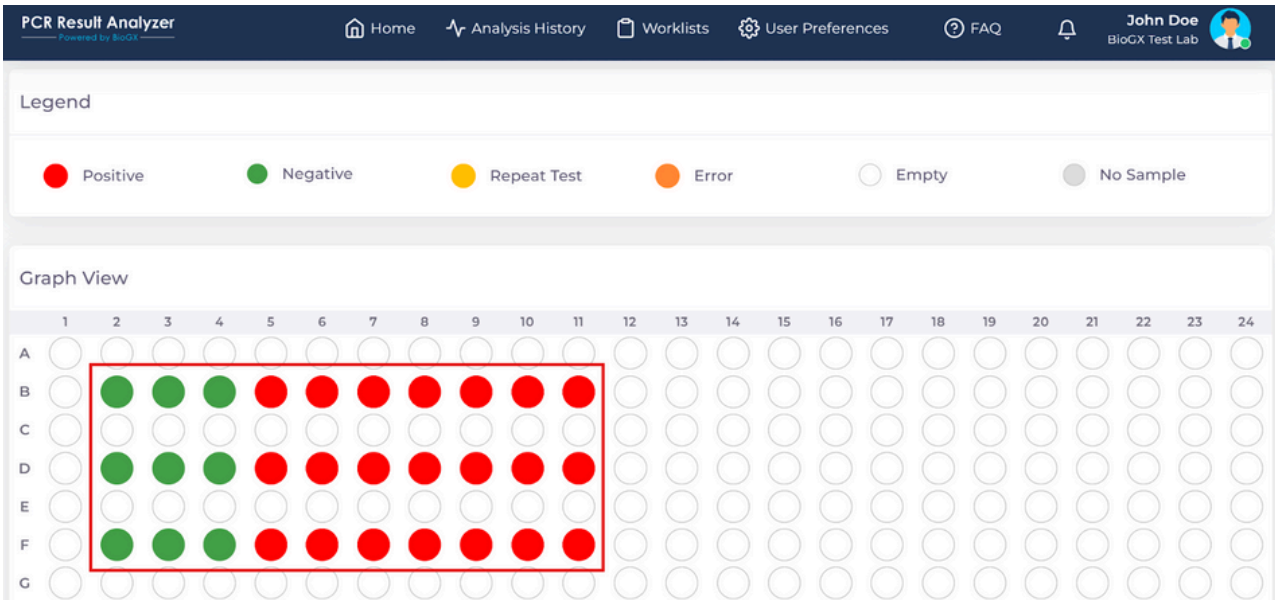
f. After analysis, the Results screen displays:

- Result Summary (assay name, platform, date and time, input file, number of samples tested)
- Result Table (well position, sample name, panels, targets and Ct values, result status)

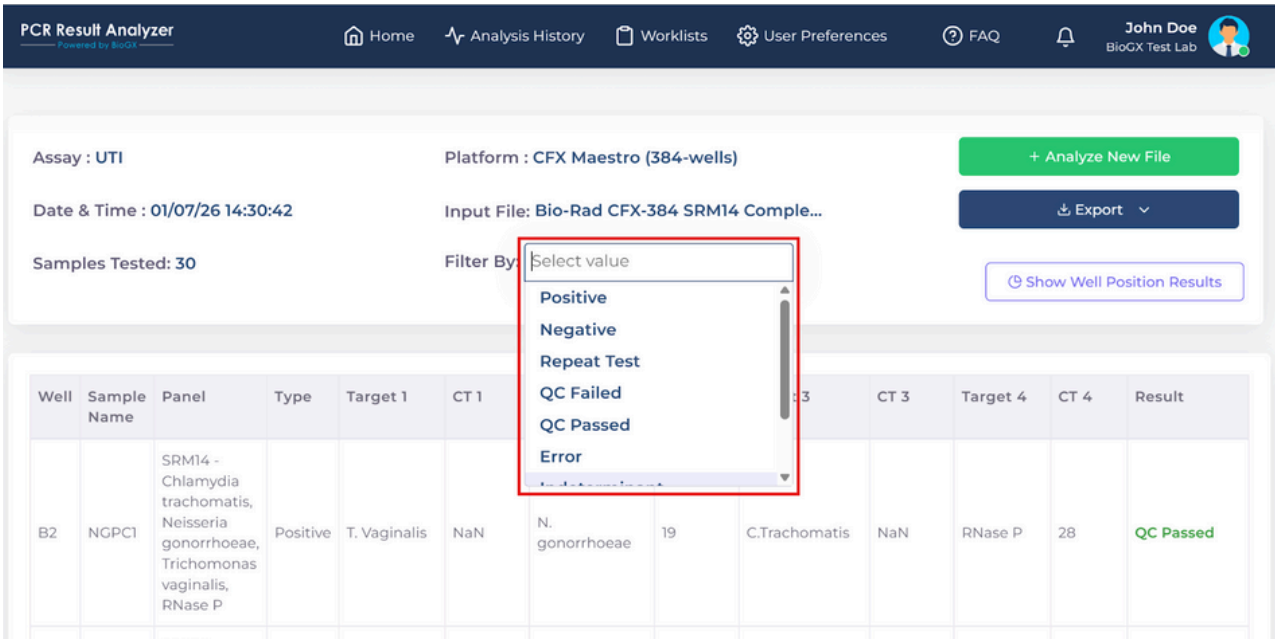


g. Additional features:

- Colored visualization of results by well position

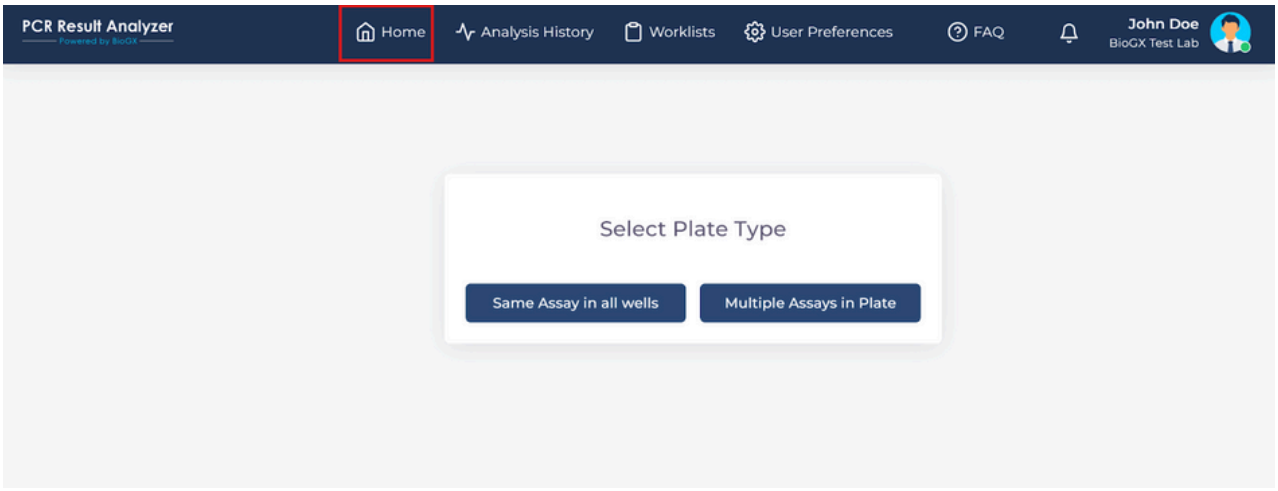


- Filtering results by Result Status

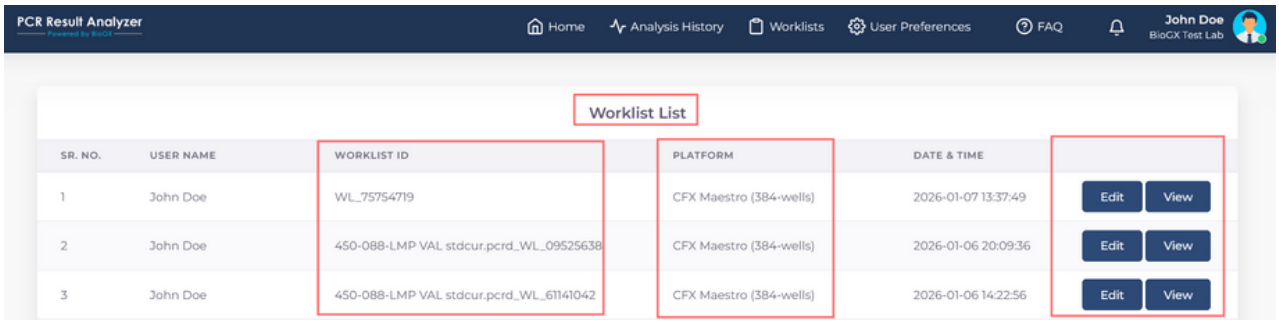


Navigation Options

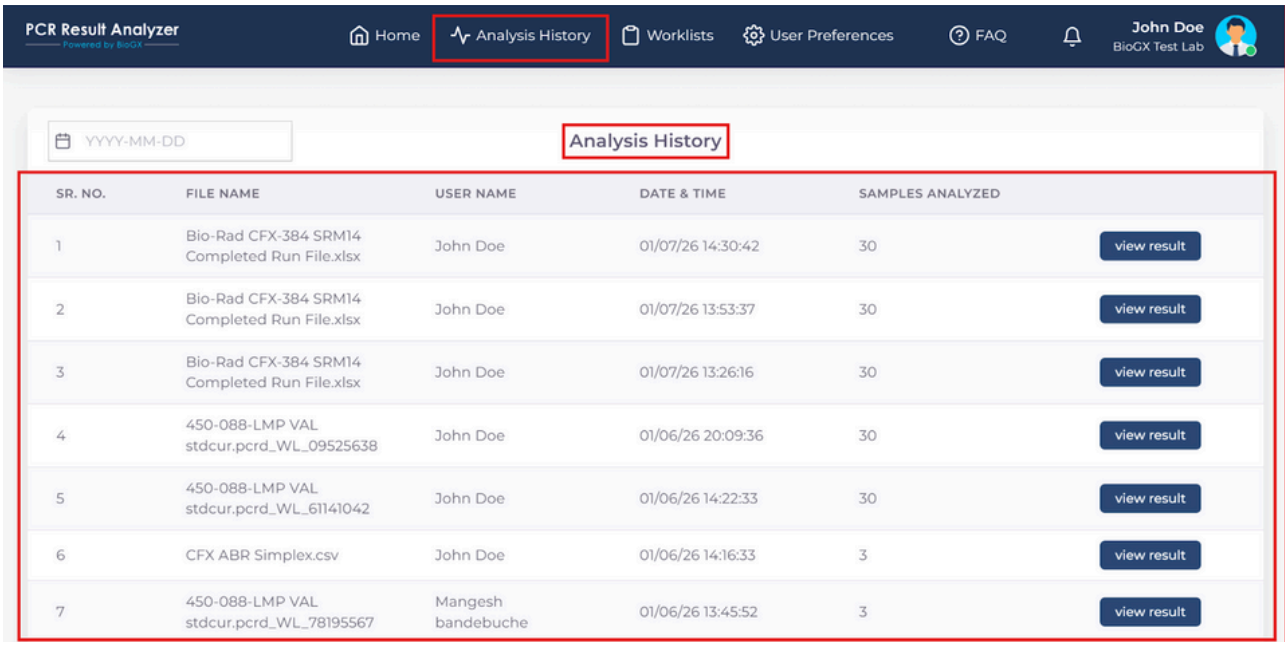
- Home: Return to plate type selection



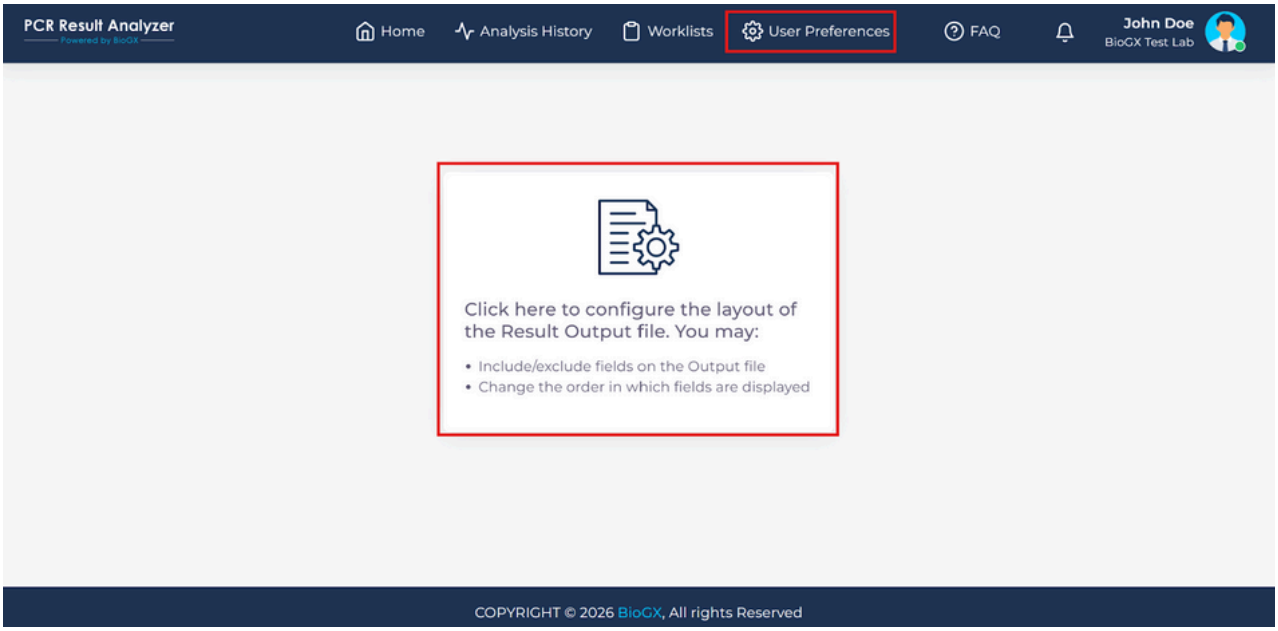
- Worklists: View and edit saved worklists



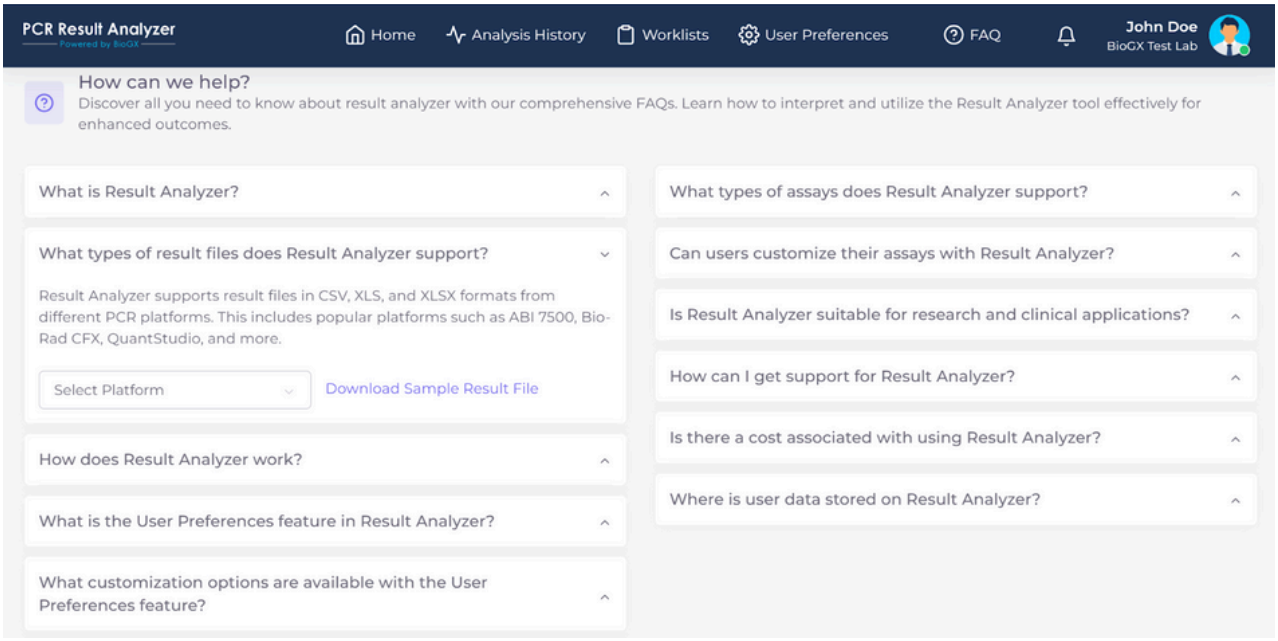
- Analysis History: View previously analyzed results



- User Preferences: Configure results summary layout



- FAQ: View frequently asked questions and download template result files



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BioGX US

1500 1st Avenue North, Birmingham,
Alabama, 35203, United States

+1.205.250.8055

info@biogx.com

www.biogx.com

BioGX BV

Science Park 408. 1098 XH
Amsterdam, The Netherlands

+31.20.893.426

eu@biogx.com

www.biogx.com