

# PCR Result Analyzer

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USER GUIDE

## PCR RESULT ANALYZER

[www.app.pcrresultanalyzer.com](http://www.app.pcrresultanalyzer.com)

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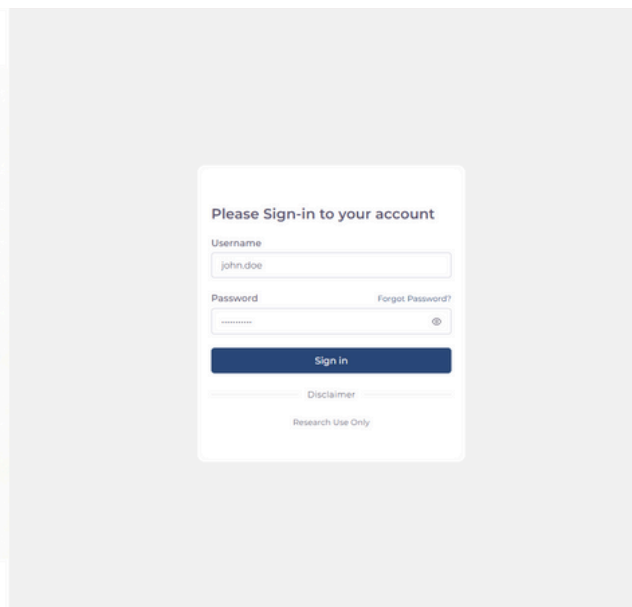
Navigation Options

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# Login

1. Open [www.app.pcrresultanalyzer.com](http://www.app.pcrresultanalyzer.com)
2. Sign in using your secure user credentials.

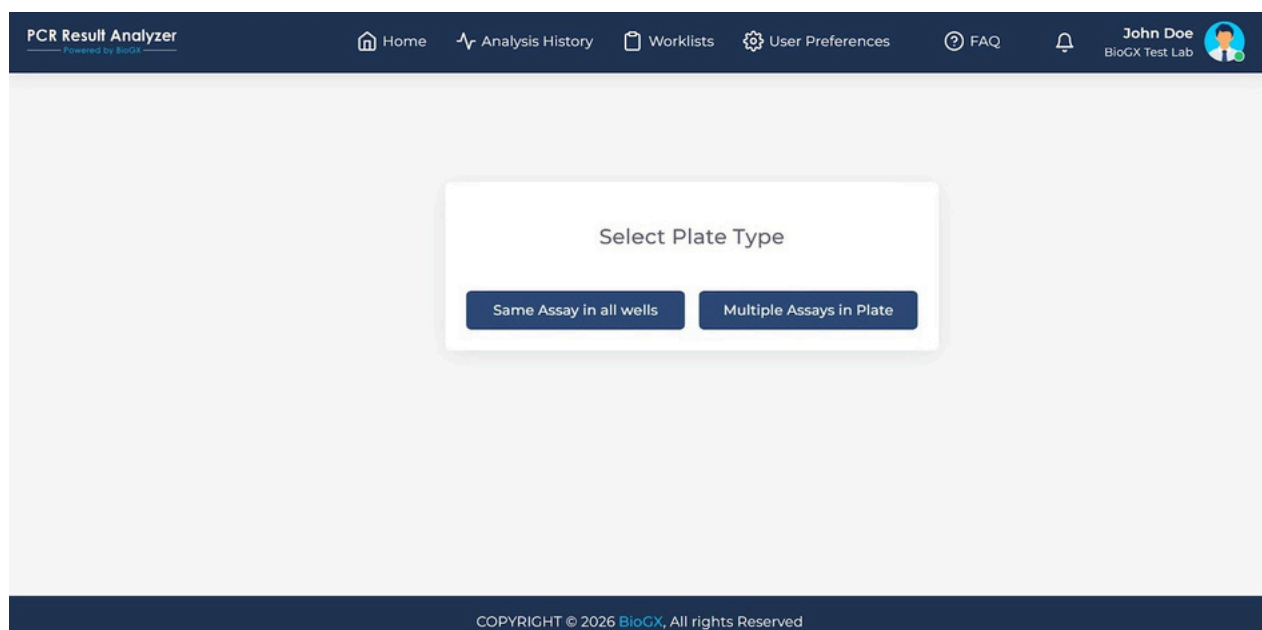


## Select Plate Type

After login, the user is presented with two options:

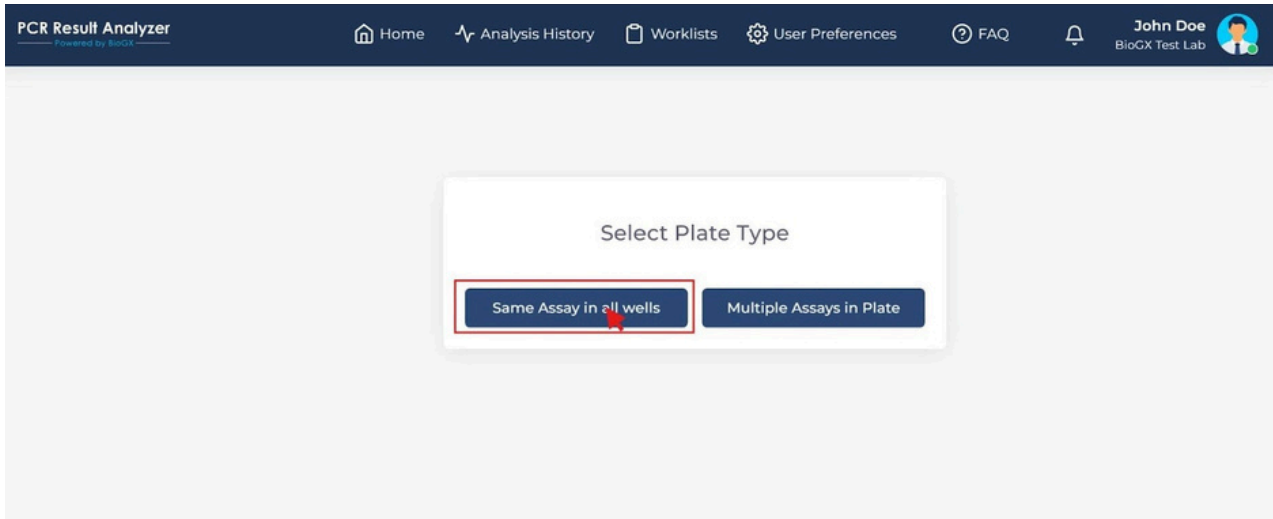
- Same Assay in All Wells
- Multiple Assays in a Plate

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



# Single Assay Result Analysis

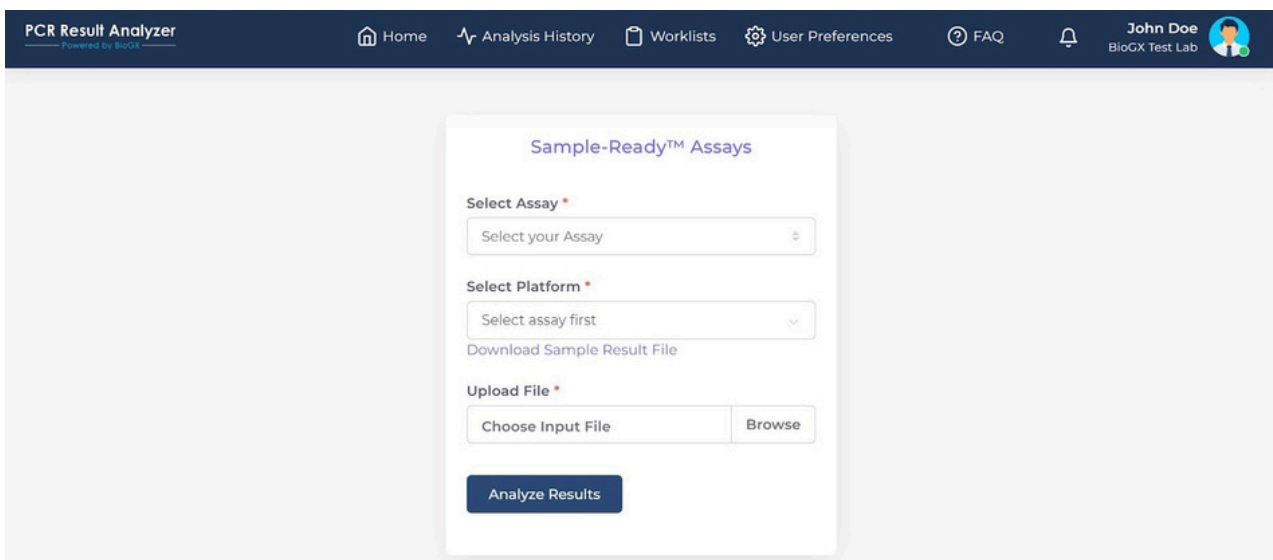
- a. Choose the “Same assay in All Wells” to analyze results for single-assay experiments.



The screenshot shows the 'PCR Result Analyzer' web application interface. The top navigation bar includes 'Home', 'Analysis History', 'Worklists', 'User Preferences', 'FAQ', and a user profile for 'John Doe, BioGX Test Lab'. The main content area displays a 'Select Plate Type' dialog box with two buttons: 'Same Assay in all wells' (highlighted with a red box and a red arrow) and 'Multiple Assays in Plate'.

- 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.



The screenshot shows the 'Sample-Ready™ Assays' form in the PCR Result Analyzer. The form includes the following fields and buttons:

- Select Assay \***: A dropdown menu with the text 'Select your Assay'.
- Select Platform \***: A dropdown menu with the text 'Select assay first'.
- Download Sample Result File**: A text link.
- Upload File \***: A section containing a 'Choose Input File' text input and a 'Browse' button.
- Analyze Results**: A prominent blue button at the bottom of the form.

### 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

The screenshot shows the PCR Result Analyzer interface. The top navigation bar includes Home, Analysis History, Worklists, User Preferences, FAQ, and a user profile for John Doe at BioGX Test Lab. The main content area displays assay details: Assay: UTI, Platform: CFX Maestro (384-wells), Date & Time: 01/07/26 13:26:16, and Samples Tested: 30. The Input File is highlighted as 'Bio-Rad CFX-384 SRM14 Comple...'. Action buttons include '+ Analyze New File', 'Export', and 'Show Well Position Results'. Below this is a table with the following data:

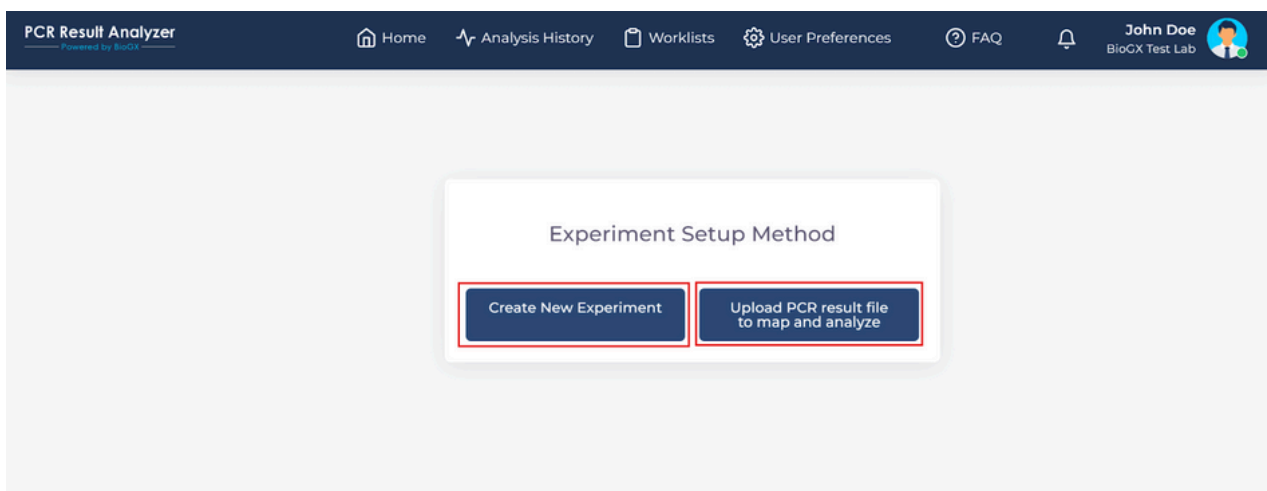
Well	Sample Name	Panel	Type	Target 1	CT 1	Target 2	CT 2	Target 3	CT 3	Target 4	CT 4	Result
B2	NGPC1	SRM14 - Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis, RNase P	Positive	T. Vaginalis	NaN	N. gonorrhoeae	19	C.Trachomatis	NaN	RNase P	28	QC Passed

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

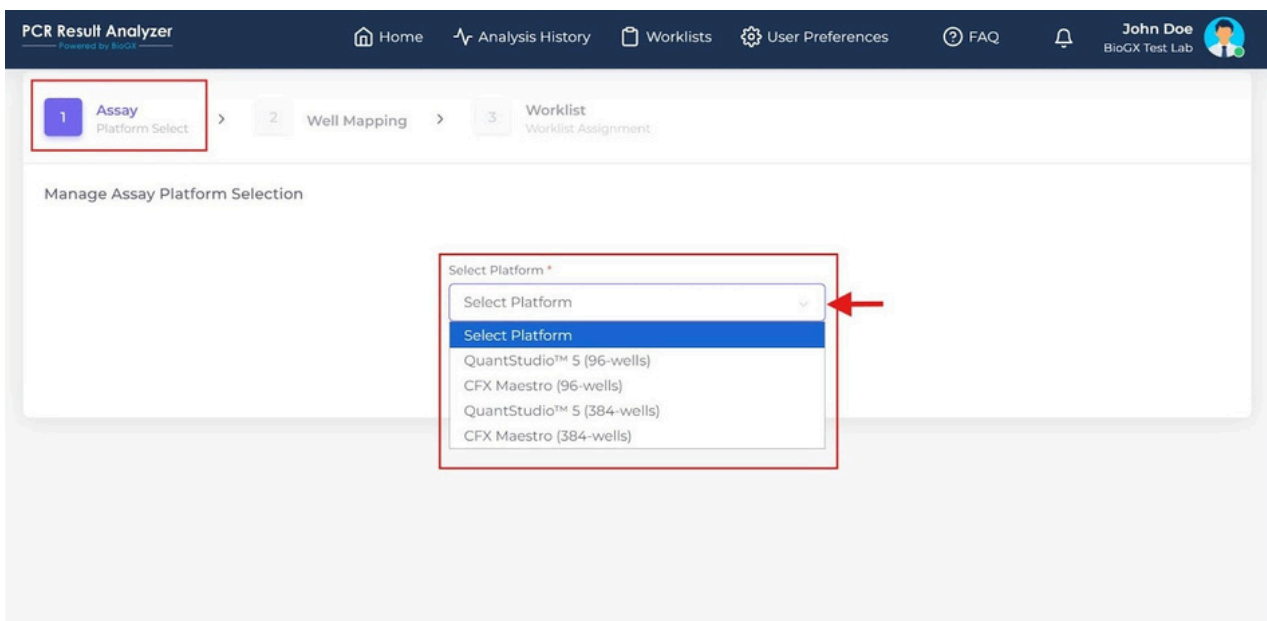
The screenshot shows the PCR Result Analyzer interface with a legend and a graph view. The legend defines the following categories: Positive (red circle), Negative (green circle), Repeat Test (yellow circle), Error (orange circle), Empty (white circle), and No Sample (grey circle). The graph view displays a 7x24 grid of wells (rows A-G, columns 1-24). A red box highlights a 3x8 area in rows B, D, and F, columns 2 through 9. The results in this area are: Row B (2-4: Green, 5-9: Red), Row D (2-4: Green, 5-9: Red), and Row F (2-4: Green, 5-9: Red).

## Multiple Assays - Create New Experiment

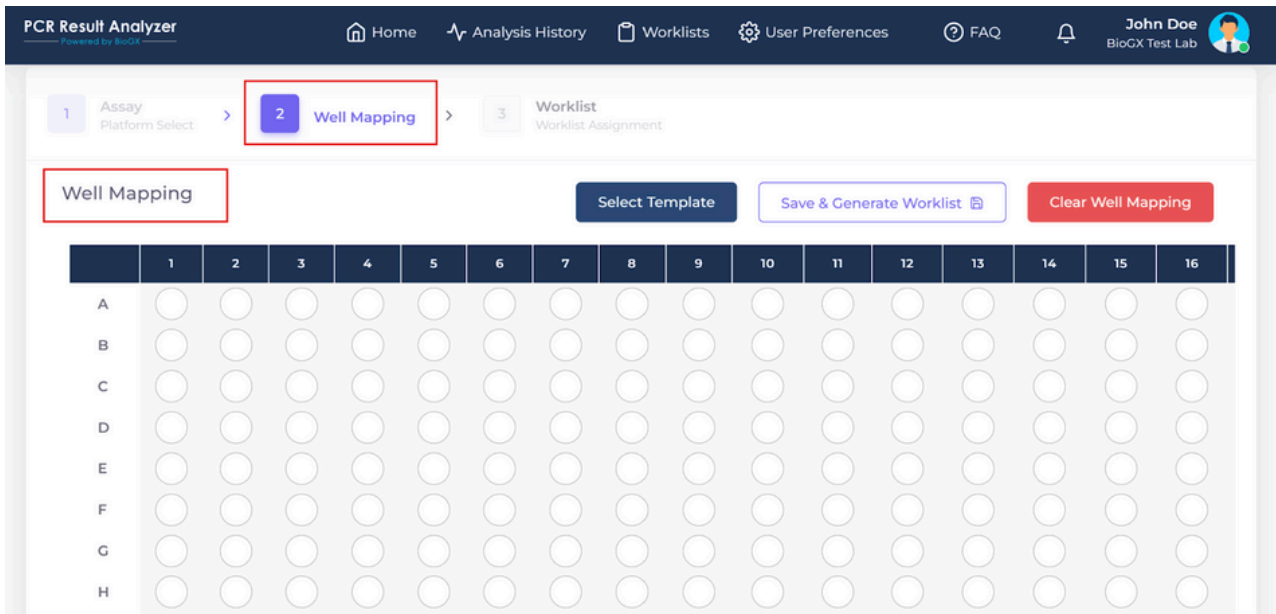
a. Choose Multiple Assays in Plate, then select Create New Experiment.



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

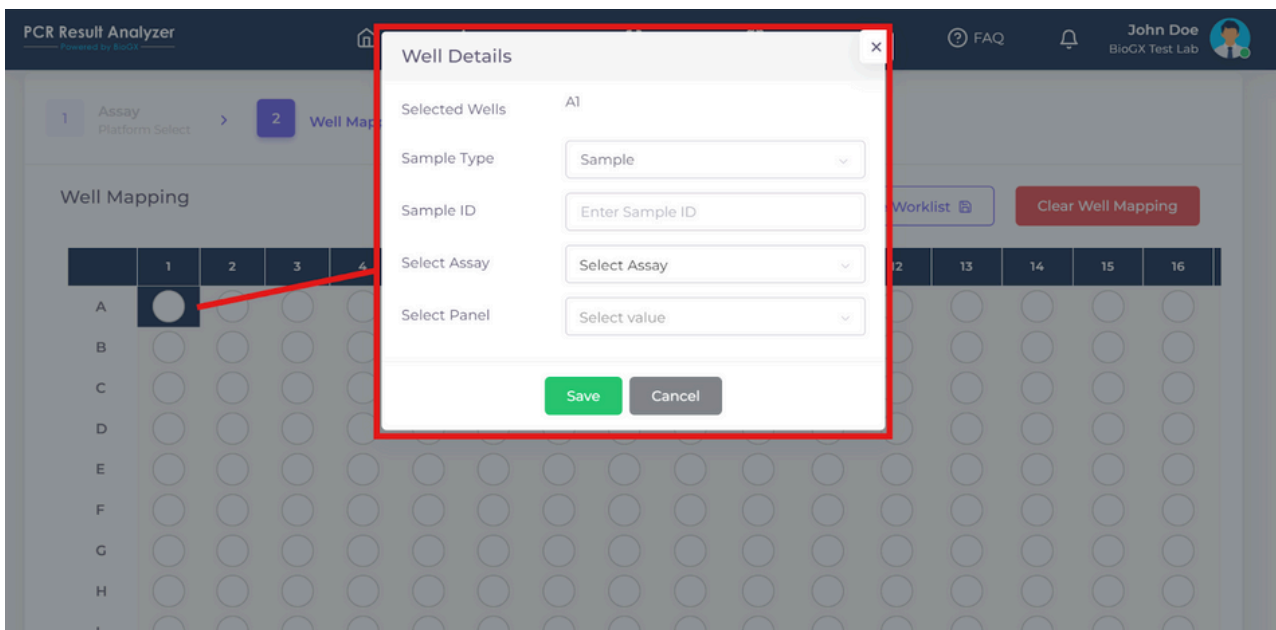


c. In the Well Mapping screen, set up well mapping manually according to experiment requirements.



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.

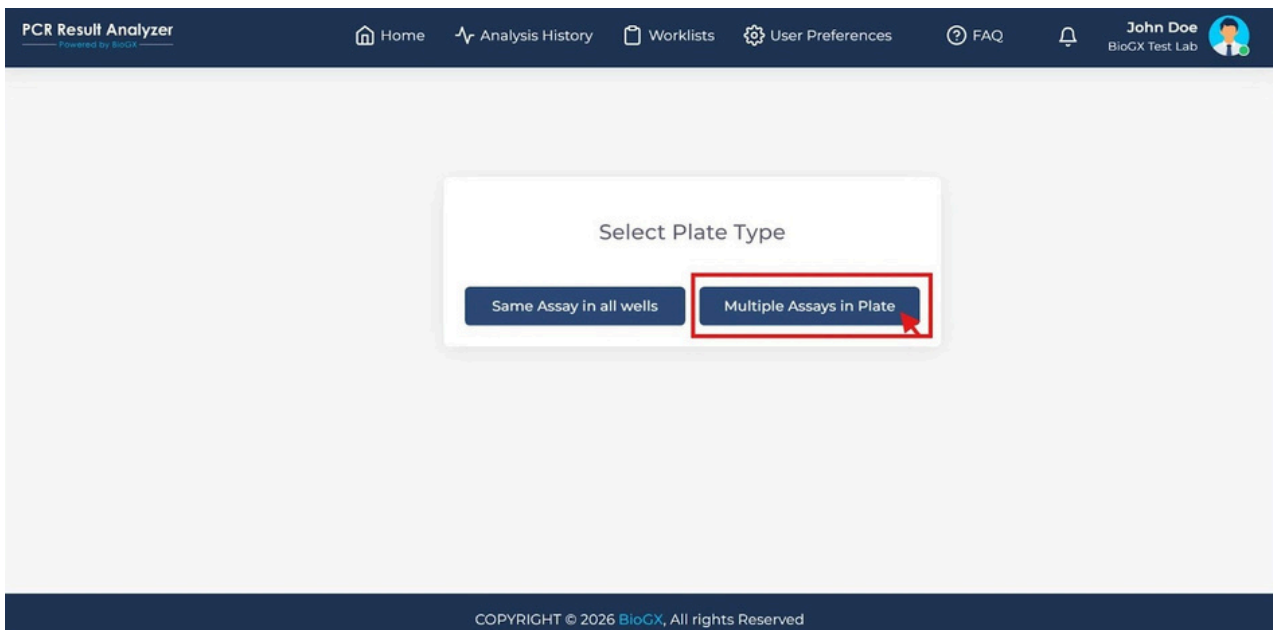
The screenshot displays the 'Well Mapping' step in the PCR Result Analyzer. The breadcrumb trail indicates the current step is '2 Well Mapping'. The main area shows a grid of wells (A-H, 1-16) with wells B5, B7, and B9 highlighted in red boxes. The 'Save & Generate Worklist' button is also highlighted in a red box.

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.

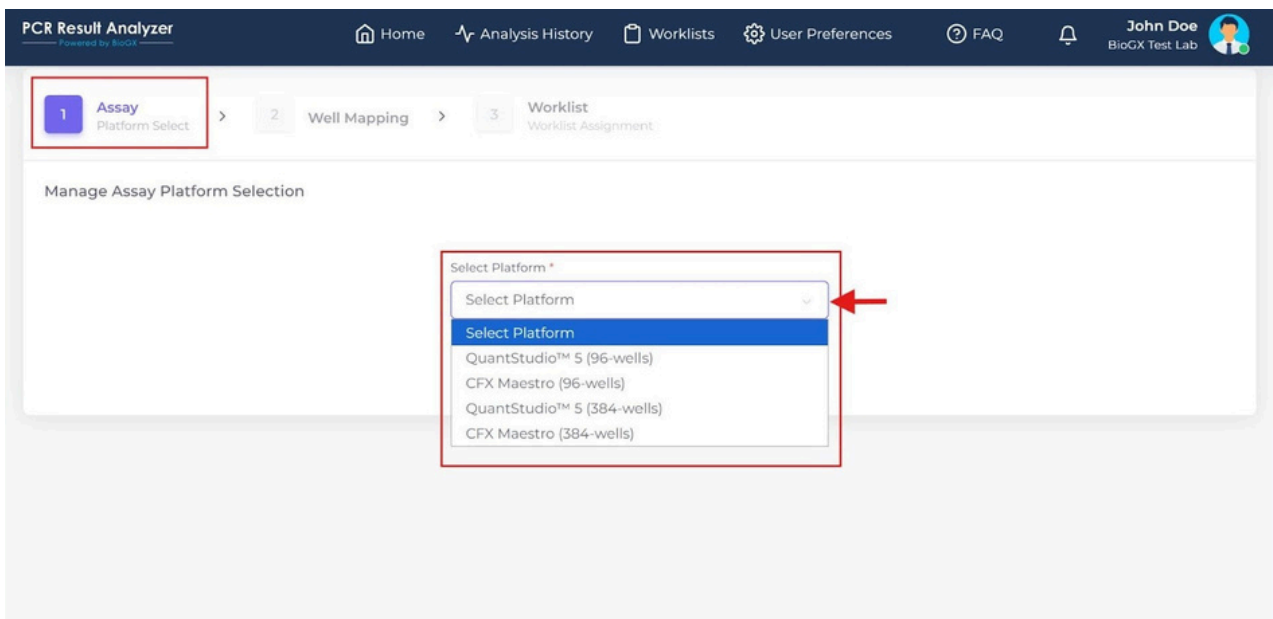
The screenshot displays the 'Worklist' step in the PCR Result Analyzer. The breadcrumb trail indicates the current step is '3 Worklist Worklist Assignment'. The main area shows a success message: 'Your worklist has been generated successfully'. Below the message, the file name 'WL\_75754719' is displayed and highlighted in a red box. A barcode is shown below the file name. At the bottom, there are buttons for 'Print Wellmapping', 'Print Table Report', 'Export Worklist file', and 'Export File For Instrument'. The 'Export File For Instrument' button is highlighted in a red box. Below the buttons, there is a section for saving well map details as a template, with an input field for 'Enter template name' and a 'Create Template' button.

## Multiple Assays – Upload PCR Result File

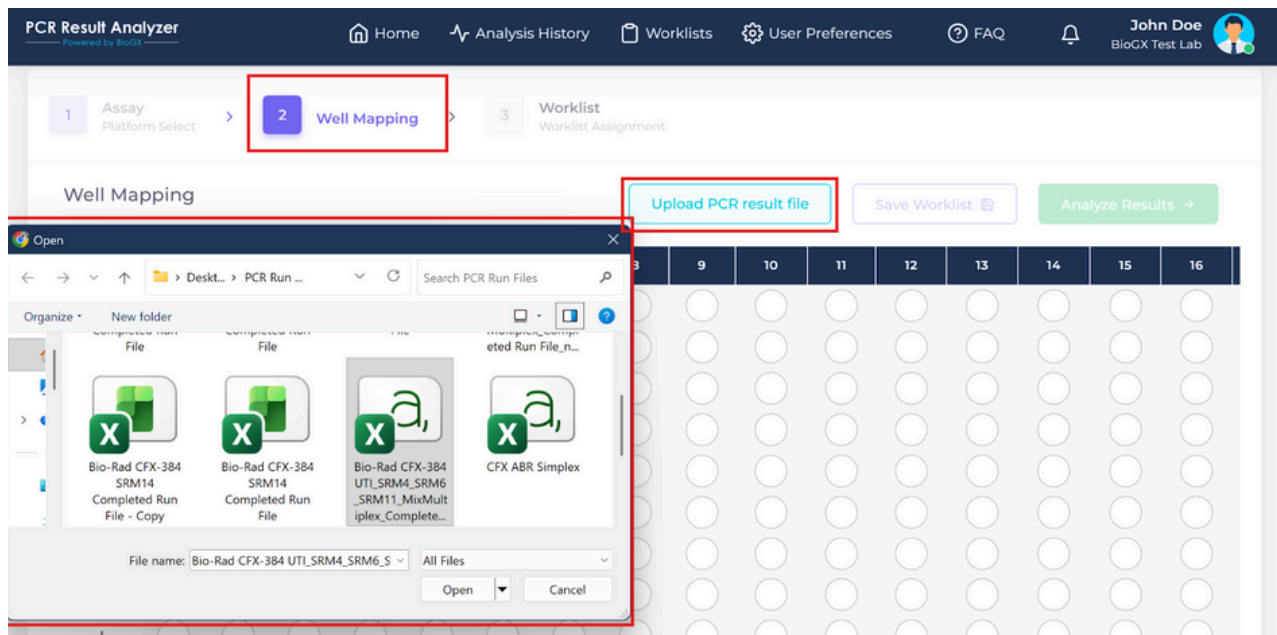
- a. Choose Multiple Assays in Plate, then select Upload PCR result file to map and analyze.



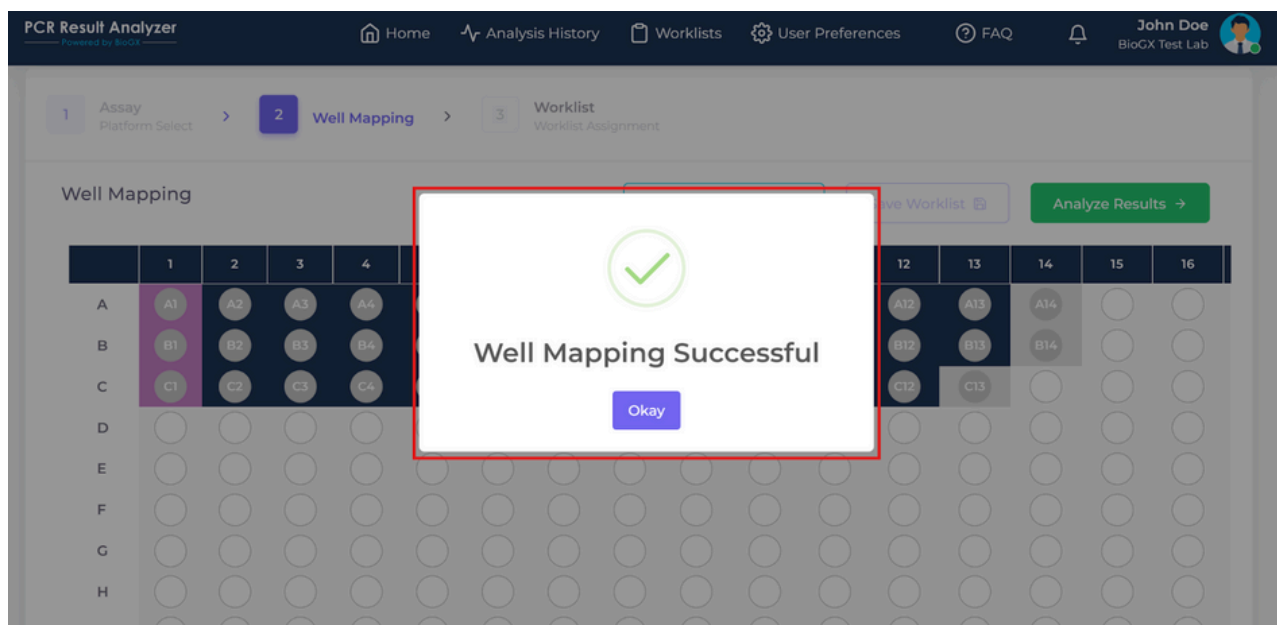
- b. Select the real-time PCR platform.



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.

The screenshot shows the 'Well Mapping' screen in the PCR Result Analyzer. The top navigation bar includes 'Home', 'Analysis History', 'Worklists', 'User Preferences', 'FAQ', and a user profile for 'John Doe, BioGX Test Lab'. The main area has three steps: '1 Assay Platform Select', '2 Well Mapping', and '3 Worklist Worklist Assignment'. Below the steps are three buttons: 'Upload PCR result file', 'Save Worklist', and 'Analyze Results' (highlighted with a red box). The well mapping grid shows columns 1-16 and rows A-H. Wells A1, B1, and C1 are highlighted in purple. Wells A14 and B14 are highlighted in grey. Wells A15, B15, C15, D15, E15, F15, G15, and H15 are empty.

f. After analysis, the Results screen displays:

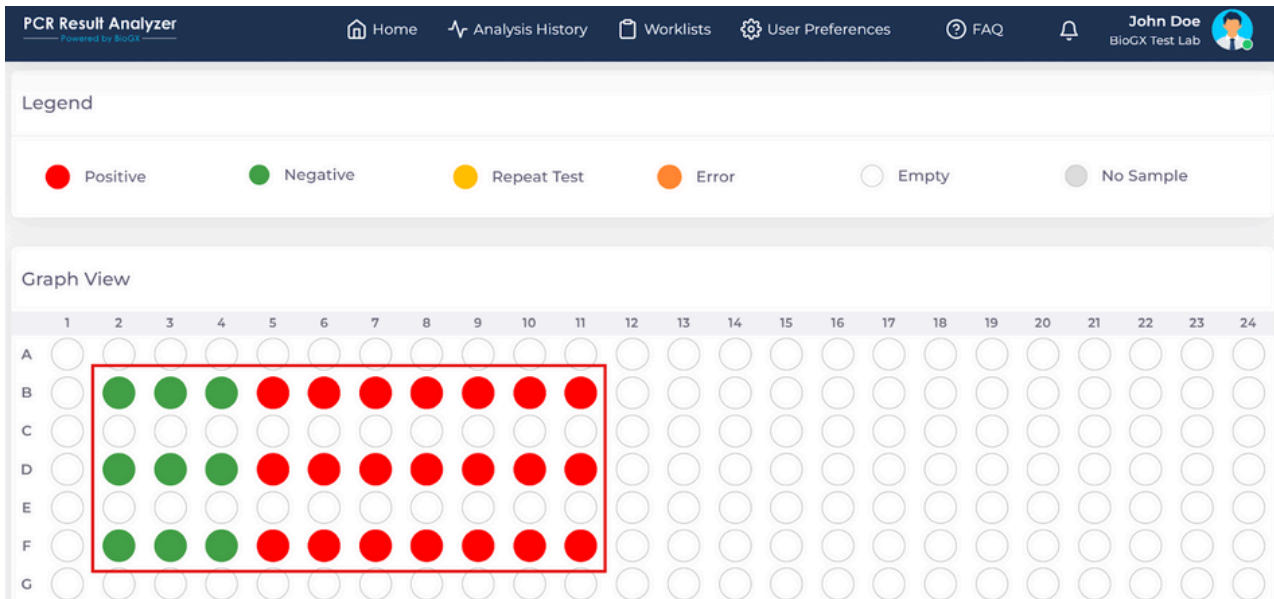
- Result Summary (assay name, platform, date and time, input file, number of samples tested)
- Result Table (well position, sample name, panels, targets and Ct values, result status)

The screenshot shows the 'Results' screen in the PCR Result Analyzer. The top navigation bar is the same as in the previous screenshot. The main area displays assay details: 'Assay : UTI', 'Platform : CFX Maestro (384-wells)', 'Date & Time : 01/07/26 13:26:16', and 'Samples Tested: 30'. There are three buttons: '+ Analyze New File', 'Export' (highlighted with a red box), and 'Show Well Position Results' (highlighted with a red box). The 'Input File' field is highlighted with a red box. Below the summary is a table with columns for Well, Sample Name, Panel, Type, Target 1, CT 1, Target 2, CT 2, Target 3, CT 3, Target 4, CT 4, and Result. The result for well B2 is 'QC Passed', which is highlighted with a red box.

Well	Sample Name	Panel	Type	Target 1	CT 1	Target 2	CT 2	Target 3	CT 3	Target 4	CT 4	Result
B2	NGPCI	SRM14 - Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis, RNase P	Positive	T. Vaginalis	NaN	N. gonorrhoeae	19	C.Trachomatis	NaN	RNase P	28	QC Passed

## g. Additional features:

- Colored visualization of results by well position



- Filtering results by Result Status

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Home Analysis History Worklists User Preferences FAQ John Doe BioGX Test Lab

Assay : UTI Platform : CFX Maestro (384-wells) + Analyze New File

Date & Time : 01/07/26 14:30:42 Input File: Bio-Rad CFX-384 SRM14 Comple... Export

Samples Tested: 30 Filter By: Select value

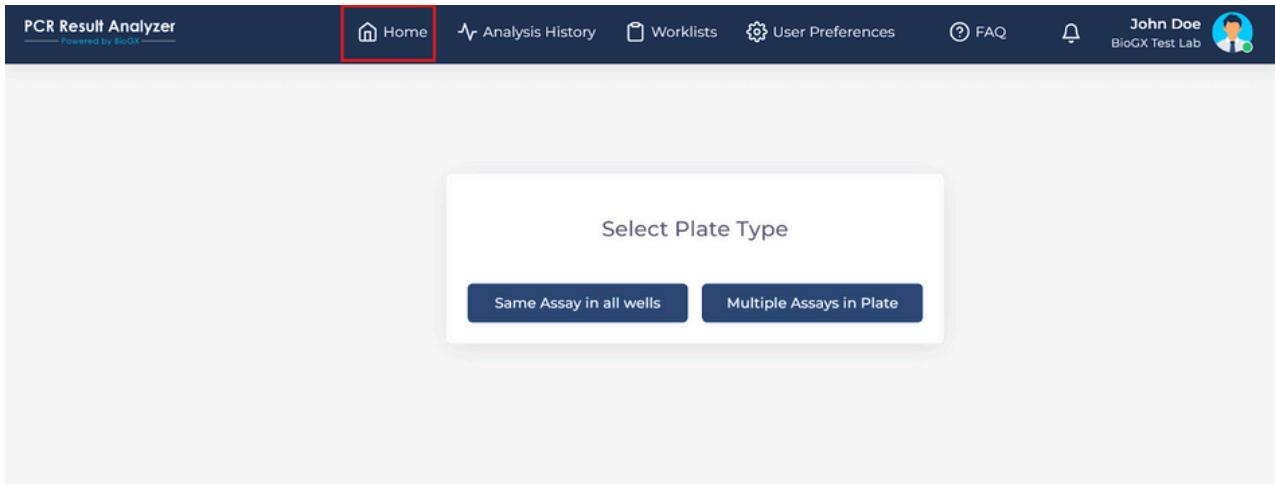
- Positive
- Negative
- Repeat Test
- QC Failed
- QC Passed
- Error

Well	Sample Name	Panel	Type	Target 1	CT 1	Target 2	CT 2	Target 3	CT 3	Target 4	CT 4	Result
B2	NGPC1	SRM14 - Chlamydia trachomatis, Neisseria gonorrhoeae, Trichomonas vaginalis, RNase P	Positive	T. Vaginalis	NaN	N. gonorrhoeae	19	C.Trachomatis	NaN	RNase P	28	QC Passed

Show Well Position Results

# Navigation Options

- Home: Return to plate type selection



- Worklists: View and edit saved worklists

The screenshot shows the Worklist List page. The navigation bar is the same as in the previous image. The main content area displays a table titled 'Worklist List' with columns for SR. NO., USER NAME, WORKLIST ID, PLATFORM, and DATE & TIME. Each row includes 'Edit' and 'View' buttons. Red boxes highlight the 'Home' button in the navigation bar, the 'WORKLIST ID' column, the 'PLATFORM' column, and the 'Edit' and 'View' buttons in the first row.

SR. NO.	USER NAME	WORKLIST ID	PLATFORM	DATE & TIME	
1	John Doe	WL_75754719	CFX Maestro (384-wells)	2026-01-07 13:37:49	Edit View
2	John Doe	450-088-LMP VAL stdcur.pcrd_WL_09525638	CFX Maestro (384-wells)	2026-01-06 20:09:36	Edit View
3	John Doe	450-088-LMP VAL stdcur.pcrd_WL_61141042	CFX Maestro (384-wells)	2026-01-06 14:22:56	Edit View

- Analysis History: View previously analyzed results

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YYYY-MM-DD


Analysis History

SR. NO.	FILE NAME	USER NAME	DATE & TIME	SAMPLES ANALYZED	
1	Bio-Rad CFX-384 SRM14 Completed Run File.xlsx	John Doe	01/07/26 14:30:42	30	<a href="#">view result</a>
2	Bio-Rad CFX-384 SRM14 Completed Run File.xlsx	John Doe	01/07/26 13:53:37	30	<a href="#">view result</a>
3	Bio-Rad CFX-384 SRM14 Completed Run File.xlsx	John Doe	01/07/26 13:26:16	30	<a href="#">view result</a>
4	450-088-LMP VAL stdcur.pcrd_WL_09525638	John Doe	01/06/26 20:09:36	30	<a href="#">view result</a>
5	450-088-LMP VAL stdcur.pcrd_WL_61141042	John Doe	01/06/26 14:22:33	30	<a href="#">view result</a>
6	CFX ABR Simplex.csv	John Doe	01/06/26 14:16:33	3	<a href="#">view result</a>
7	450-088-LMP VAL stdcur.pcrd_WL_78195567	Mangesh bandebuche	01/06/26 13:45:52	3	<a href="#">view result</a>

- User Preferences: Configure results summary layout

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Click here to configure the layout of the Result Output file. You may:

- Include/exclude fields on the Output file
- Change the order in which fields are displayed

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

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**How can we help?**  
Discover all you need to know about result analyzer with our comprehensive FAQs. Learn how to interpret and utilize the Result Analyzer tool effectively for enhanced outcomes.

What is Result Analyzer? ^

What types of result files does Result Analyzer support? v

Result Analyzer supports result files in CSV, XLS, and XLSX formats from different PCR platforms. This includes popular platforms such as ABI 7500, Bio-Rad CFX, QuantStudio, and more.

Select Platform [Download Sample Result File](#)

How does Result Analyzer work? ^

What is the User Preferences feature in Result Analyzer? ^

What customization options are available with the User Preferences feature? ^

What types of assays does Result Analyzer support? ^

Can users customize their assays with Result Analyzer? ^

Is Result Analyzer suitable for research and clinical applications? ^

How can I get support for Result Analyzer? ^

Is there a cost associated with using Result Analyzer? ^

Where is user data stored on Result Analyzer? ^



# PCR Result Analyzer

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