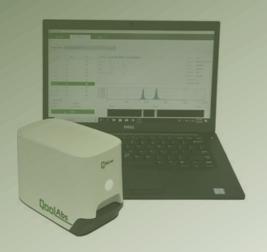
#### **QNow Research Reader**



# **User Guide**



For research use only. Not for use in diagnostic procedures.

Version 1

November 16, 2018



#### Contents

- Reader Overview
  - Product Specification
  - Reader Overview
  - Cleaning the Reader
- Scanning a Test
  - Software Overview
  - Scanning a Test
- Reviewing Results
  - Reviewing Results
  - Exporting Results
  - Analysing the Results (Summary Spreadsheet)





#### **Reader Overview**





#### **Product Specifications**

Assay Compatibility: QooLabs' QNow® Europium Fluorescence Assays

• **Detection Technology:** High sensitivity camera detection

Read Time: Less than 5 seconds

Size: W 80mm x L 160mm x H 120mm

• **Weight**: 1,150 grams

PC Connection: USB 3 or greater

Power: USB powered

• Software: QNow® Reader Software included. Requires Windows 8.0+

<sup>\*</sup> For use by trained users only. For research use only. Not for use in diagnostic procedures.

<sup>\*</sup> This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



#### Reader Overview





#### Reader Overview

#### Status light changes color:



**Drawer** closed



Drawer open



Image is being captured



#### Cleaning the Reader

If you wish to clean the reader, wipe down the external surfaces and drawer with lint free isopropyl wipes.

DO NOT USE BLEACH.



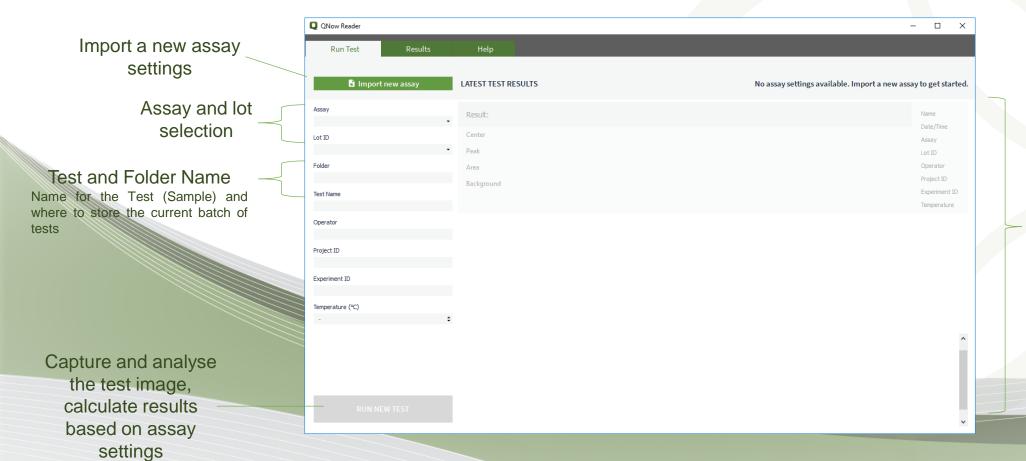






#### **Software Overview**

#### **User Interface**

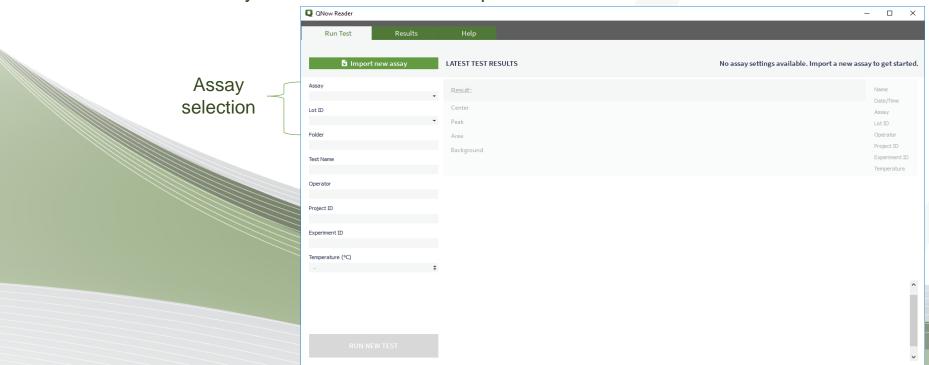


Results display



Each test kit is provided with a set of assay settings that are assay and lot specific.

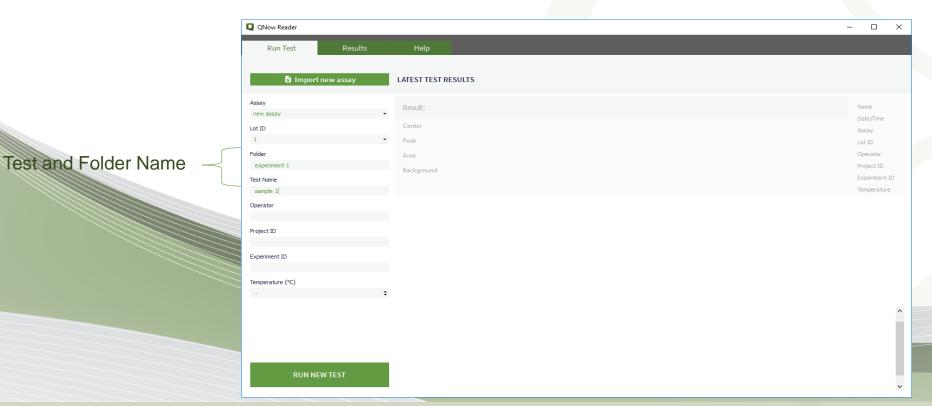
- If it is the first time scanning a test of a specific assay/lot (or the correct Lot ID and assay are not available from the drop down list), click "*Import new assay*" and locate the ".asy" file provided with your tests.
- Select the Assay and Lot ID from the drop down list.





Enter a Folder Name – Tests performed under the same folder name on each day will be saved in the same folder Enter a Test Name – this can be used to identify different samples.

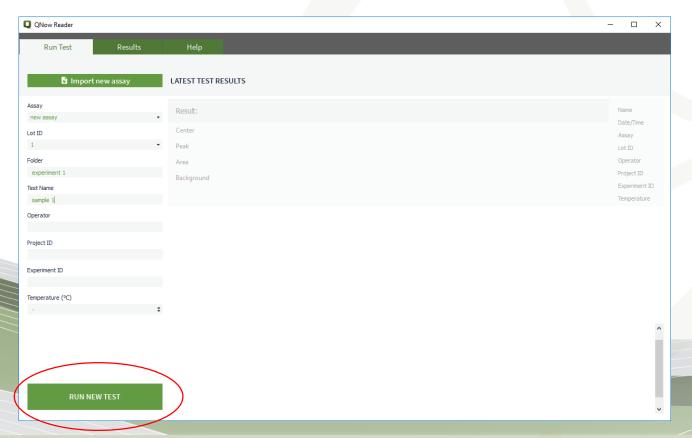
Enter Operator, Project ID, Experiment ID and Temperature as desired.





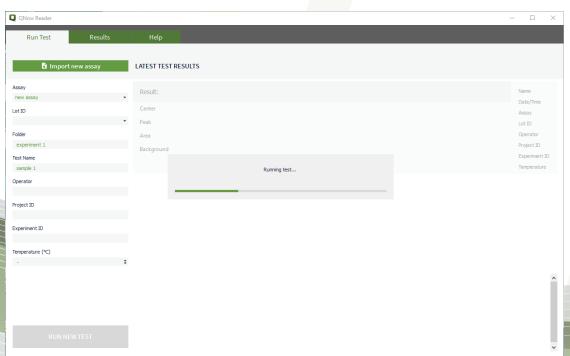
After a test is complete (consult individual assay for timing), place the test cassette in the drawer with the sample port on the cassette toward the front of the reader.

Click "RUN NEW TEST" to scan a test.



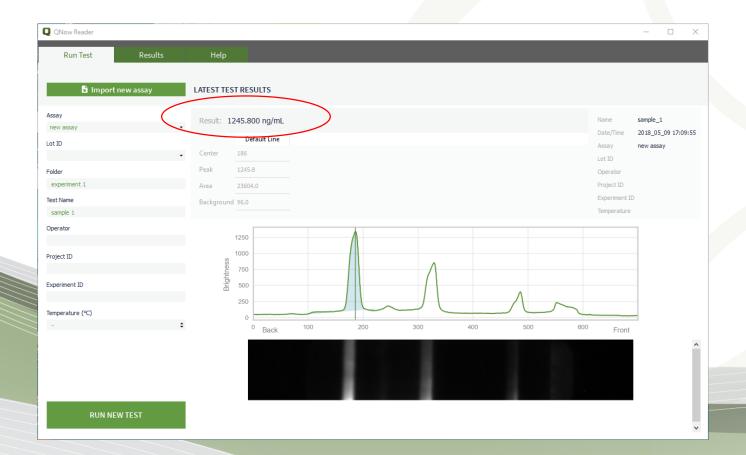


- A progress box will appear on the screen.
- The reader status light will turn purple while the reader is capturing an image of the test do not open the drawer when the light is purple.
- The reader status light will turn white after the image is captured. The progress box may stay for a few more seconds during data transfer.





Once scanning is complete, the software will analyse the results which will be displayed on the screen.





# **Reviewing Results**



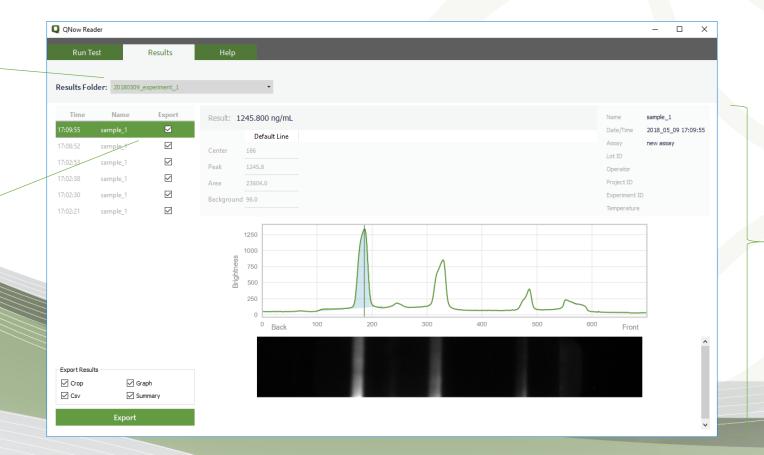


# Reviewing Results

You can quickly review results from the results tab.

Select a results folder from the drop down menu

Click on a test to display the result, crop and graph for the selected test

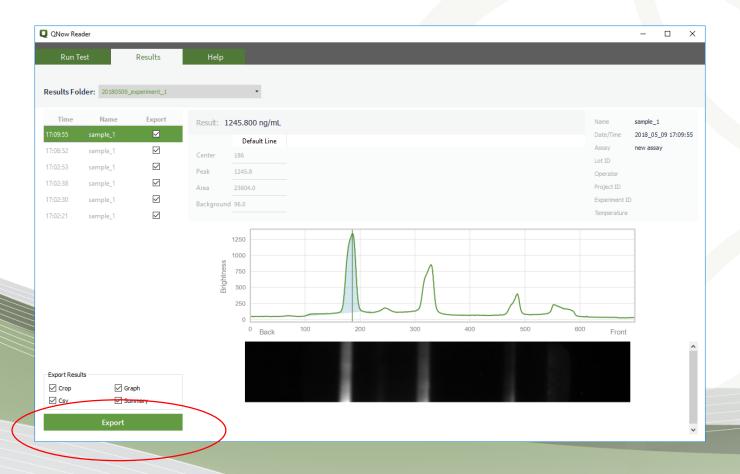


The assay results, crop and graph image are displayed here.



## **Exporting Results**

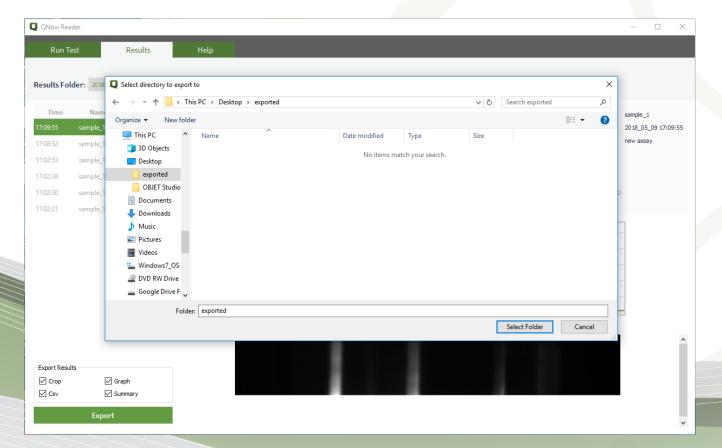
To export results, select the checkboxes for the results you would like to export, and click "Export".





# **Exporting Results**

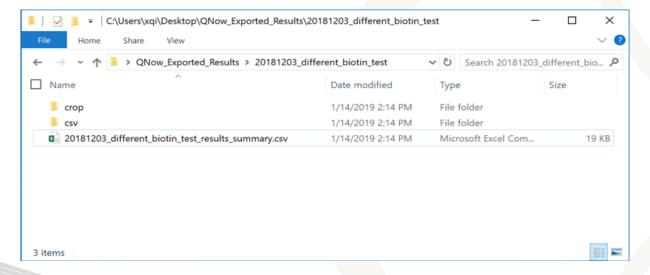
You will be prompted to select a location to export the results to. Navigate to the desired location/folder for storing exported results.





#### **Exporting Results**

Once the results are exported, the folder will automatically open in the explorer: In the exported folder, you'll see a crop folder, a csv folder, and a results summary file:



Folder	Description	
Crop	Crop and graph images, for quick results review	
Csv	The raw plot data	
Results summary	The numerical test results	



## **Summary Spreadsheet**

Numerical results and raw data are stored in the summary csv file.

Text Field	Properties
date	
time	
strip name	
lot ID	
assay name	
overall result	Experiment related
experiment id	information, input by user
project id	
operator	
temperature (°C)	
filename	
exposure(ms)	Parameters for processing
crop_offset	image, product specific, pre-
crop_height	set by the manufacturer
reader_serial	QNow reader serial number
software version	Qnow software version

Text Field	Properties
analyte_name_1	Sample (Analyte) related information, Test results are calculated with pre-set formula.
analyte_units_1	
analyte_text_result_1	
analyte_numerical_result_1	
analyte_result_type_1	
analyte_prejudgement_result_1	
Text Field	Properties
line_name_1	Results for each line on test strip (numbered by line position)
line_centre_1	
line_peak_above_background_1	
line_background_1	
line_area_1	
line_polarity_1	
line_offset_1	
line_background_offset_1	

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