

Hello and welcome to the demo for the Q-Plex Pneumococcal kits!

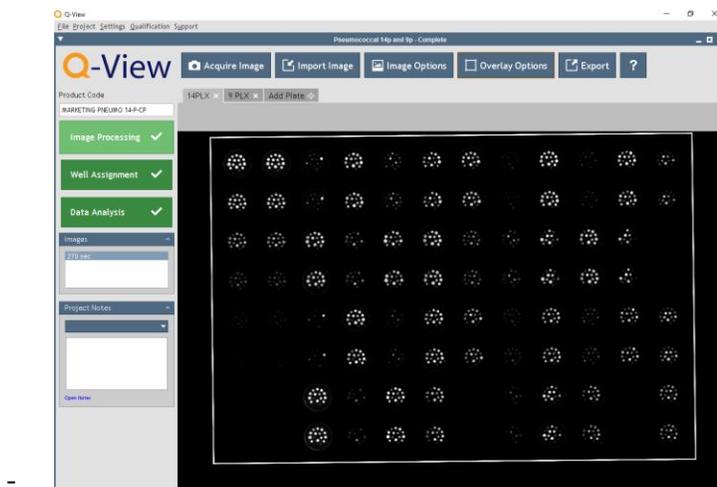
If you're brand new to the Q-View Software and want to see what a complete data analysis looks like check out the file labeled "Pneumococcal 14p and 9P - Complete".

For a hands-on walkthrough of how data analysis works in the Q-View Software navigate to the folder labeled "Q-View Software Tutorial".

This document will walk you through starting to analyze data in Q-View and will hopefully provide you with a blueprint for analyzing files of your own.

To start, make sure Q-View is installed (the installer is located elsewhere on this thumb-drive) and launch the program. Either select "New Project" or "Open Project" and open the file labeled "**Pneumococcal Demo New File**".

1. In the Image Processing tab, select Import Image and locate a demo image file named "Pneumococcal Demo 14p Image File" or "Pneumococcal Demo 9p Image File". This opens an image preview in the middle of the window.



2. Next, locate the software Product Code and copy-paste that alpha-numeric code into the Product Code field in Q-View
 - Pneumococcal Demo 14p Image File product code = MARKETING PNEUMO 14-P-CP
 - Pneumococcal Demo 9p Image File product code = MARKETING PNEUMO 9-P-CP
3. In Q-View, open the Overlay Options menu and select "Set Plate Overlay".
4. Note that your cursor becomes a plus sign when on the image window.
5. Move the plus sign to the center of the upper left-most well (well A1).

6. Left click and drag the overlay until the plus sign is centered in the bottom right most well (well H12).
7. Let go of the left mouse button and Q-View will automatically fit the overlay over the wells.



8. Visually inspect some of the wells to ensure that the overlay is properly set over the spots.
 - Minor adjustments can be made by using the "Adjust Spot" and "Adjust Well" tools in the Overlay Options menu.
9. Navigate to and click on the "Well Assignment" tab (green button located just below the "Image Processing" tab).
10. Note the menu options have changed to Groups, Dilutions, and Templates
11. Open the Templates menu and select "Open Template". Locate the .csv file labeled "Pneumococcal Well Assignment".
 - Well Assignments can be custom made using the Groups and Dilutions menus.
 - Feel free to customize the Well Assignment. You can always reload the template file if you want to see what changes.
12. Navigate to and click on the "Data Analysis" tab (green button located just below the Well Assignment tab).
13. Click the Perform Analysis button in the center of the screen to prompt Q-View to generate a report.
14. Note the menu options have changed to Curve Fit Options, Statistics, Assay Limits, Templates, and Export.

15. The Data Analysis tab is broken 3 windows located at the bottom of the screen - Charts, Report, and Data.
16. The Charts window shows the standard curves. The user can click between the different analytes with their mouse or use the arrow keys on their keyboard.
 - Standard curve graphs can be exported by clicking the Export button towards the top of the screen.
17. The Report is a customizable data export where a user can select different data aspects about their samples and calibrators using the Statistics Menu.
 - Note that the export feature from the Report screen exports only data or statistics that are checked in the menus at the top of the screen, unchecked data is not exported.
18. The Data window shows either the pixel intensity data or the transformed concentration data in a 96-well format. The user can toggle between these using the Statistics menu.