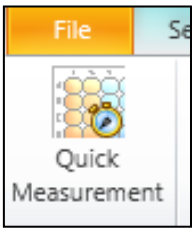
EZ READ 2000 Quick Start Guide

EZ Read Microplate Readers

Performing a Quick Measurement on Galapagos

1. Click the 'Quick Measurement' icon on the main menu screen:



2. Select the appropriate measurement mode (Single, Dual or Multi-wavelength):

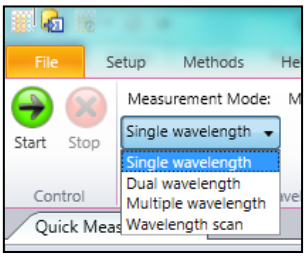
Single wavelength refers to absorbance measurement at one wavelength.

Dual wavelength refers to the measurement of a sample at one wavelength. The absorbance measurement is then subtracted from a measurement at a different wavelength.

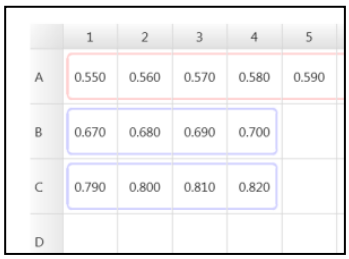
Multiple wavelength refers to a series of absorbance measurements at different wavelengths.

Wavelength scan refers to absorbance measurements over a specified wavelength range (340-800nm).

3. Click 'Start' to begin acquisition.



4. Raw absorbance values for are displayed in the wells and details of corresponding wavelengths are found when clicking on the indivual well.



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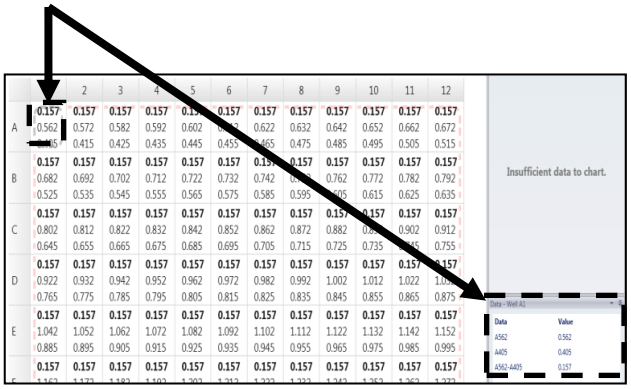
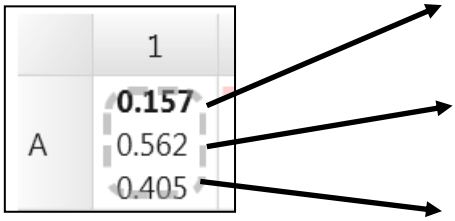
5. As shown when an individual well is highlighted, details of the raw data are shown on the right hand panel of the screen (see highlighted areas).



When users click onto a well, it is highlighted (dashed lines). In regards to dual wavelength measurements, three absorbance values are displayed.

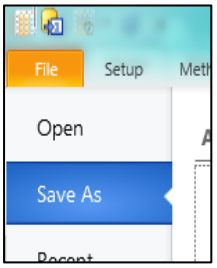


The bold value refers to the absorbance measurement after wavelength subtraction.

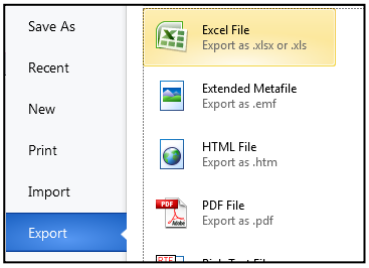
The second value refers to the absorbance value measured at a desired wavelength.

The third value refers to the absorbance value measured at a reference wavelength.

6. Results can be saved to 'Database'. A database is useful for saving, sharing and extracting data via communication with an external database system such as LIMS. Users can save files and templates onto the database, 'File' (save to own personal file), or 'Save Method Template' (saves the method protocol for future use).



7. Results can also be may be exported as file types such as Excel, Extended Metafile, results exported as a HTML file, PDF, Rich Text File, Text File, Word File and XPS File.



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