

Olympus IX83 TIRF User Guide

Single Wavelength Widefield Fluorescence Acquisition

1. Turn on Microscope and software following the On-Procedure
2. Locate your sample through the oculars in combination with the appropriate left hand menu option

a. Example: EGFP/FITC/CY2 use FITC. 

b. If your sample can't be found using fluorescence due to not having the appropriate cube, try BF or DIC; otherwise you'll have to locate the sample through the software using the proper wavelength selection.

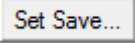
c. Use the  Illum: [None]  icon to open the shutter.

3. If the wavelength you'd like to use is different from the one you used to find the sample through the eyepiece, make the change in the left hand menu.

a. Make sure the eyepiece slider is pushed IN

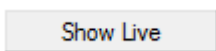
6. Press the Acquire button from the Main Menu floating window.

Note: If you're using a laser you must have the eyepiece slider pushed IN.

7. Use the  button to select the location of your saved images.

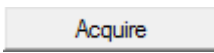
8. Set your Exposure time to the desired time-frame (NOTE: you can use ms, sec, or min options from the drop menu as well as typing in a numerical value)

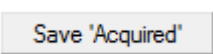
9. If you'd like to make notes on the file, you can use the Annotate tab.

10. Use the 

button to bring the image onto the screen. That same button will be your Stop Live when you've finished making your adjustments.

11. Focus on the specimen using the focus knob. Make any necessary XY location changes using the stage controller joystick or fine tuning knobs.

12. Select the  button to take the image

13. Save the image by selecting the  button located below the Acquire button. DO NOT USE EITHER SAVE BUTTONS AT THE BOTTOM OF THE ACQUIRE WINDOW.

