# Nikon Eclipse 80i (Upright)
## User Guide
## <u>Acquiring Images</u>
### *Fluorescence*

1. Follow the ON Procedure
2. Locate sample by viewing through the microscope.
   a. Make sure you're using the proper reflector cube to view your desired fluorophores.
3. Send image to the camera-PUSH IN BOTH OCULAR SLIDERS.

**Software Settings to Acquire FLUORESCENT Images:**

NOTES:
1. If you are not actively looking at the image through the oculars or on the screen **CLOSE THE SHUTTER**.
2. If desired you can utilize the neutral density filters.

**Single Dyes**

1. Select the desired color fluorescence from the configuration drop box. `Brightfield ▼` (bottom right of the screen)
2. Choose the reflector cube appropriate for the fluorochrome you are imaging.
3. Pull out both ocular sliders on the right to view specimen through the oculars.
4. Open the shutter and focus on image.
5. Close the shutter.
6. Push in both ocular sliders to send the image to the camera.
7. Click *Live* from the main toolbar on the right and open the shutter
8. Focus your image on the screen and make adjustments to your exposure and gain as desired
9. When ready click 📷 from the toolbar on the right to take your picture.
10. Save your image(s)
    a. Note: Please save all of your images to a **folder with your name on it** under **My Documents**

**Multiple Dyes**
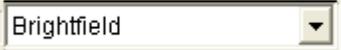
1. Select **Factory Defaults** from the configuration drop box. `Brightfield ▼` (Bottom right of the screen)
2. Suggested: Use the Live Image Values
    a. Do a RIGHT mouse click on the configuration drop box(Bottom right of the screen)
    b. Make sure that "Use Live Image Values" is checked under any of the possible left menu options
    c. Using the *Clear* filter will result in a shorter required overall exposure time.
3. Click *Live* from the main toolbar on the right and open the shutter
4. Focus your image on the screen and make adjustments to exposure and gain as desired
5. When ready click 📷 from the toolbar on the right to take your picture.
6. You can change the color of the picture from grayscale to color by clicking on Edit > Set palatte and selecting the desired color from the drop box.
7. Select the appropriate reflector cube for the next fluorochrome you want to image and repeat steps 3-5.
8. Save your image(s)
    a. Note: Please save all of your images to a **folder with your name on it** under **My Documents**