

- 1) Turn on main switch of mercury lamp X-Cite
- 2) Turn on main switch of control box IX3-CBH
- 3) Turn on main switch of control box BX3-SSU
- 4) Turn on main switch of touch panel controller
- 5) Turn on shutter

sets the white or black balance for your image and reduces background noise.

- 8) Click the icon button to capture an image
 - a. Save your image under the folder on the desktop or in your personal device (if you have scale bar on your images, when you save the images as .tiff, the images will have two layers; when you save the images as .jpg, the images will only have one layer)

- 1) Select Movie recording
- 2) Click icon button to capture a movie
- 3) Save your movie .avi file under the user folder on the desktop or in your personal device

- 1) On the right set of the software screen, select process management window
- 2) Set up channel selection
- 3) Set up Z stack condition if needed
- 4) Set up XY stage capture condition if needed
- 5) Set up time-lapse capture condition if needed

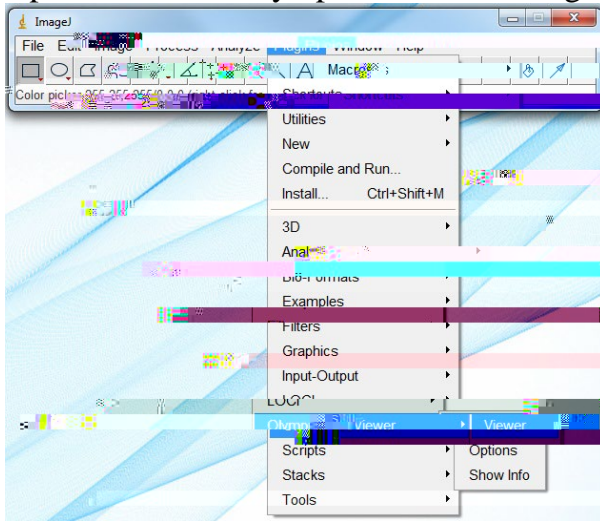
- 4) Turn off touch panel controller on the screen and its main switch on the back
- 5) Turn off main switch of control box BX3-SSU
- 6) Turn off main switch of control box IX3-CBH
- 7) Turn off main switch of mercury lamp X-Cite
- 8) Sign in log book

The experiment or process file will automatic saved under E:/user/temp as .vsi file. To view the images in the experiment or process file. The .vsi file can be open in ImageJ by following instruction <http://imagej.net/OlympusImageJPlugin>.

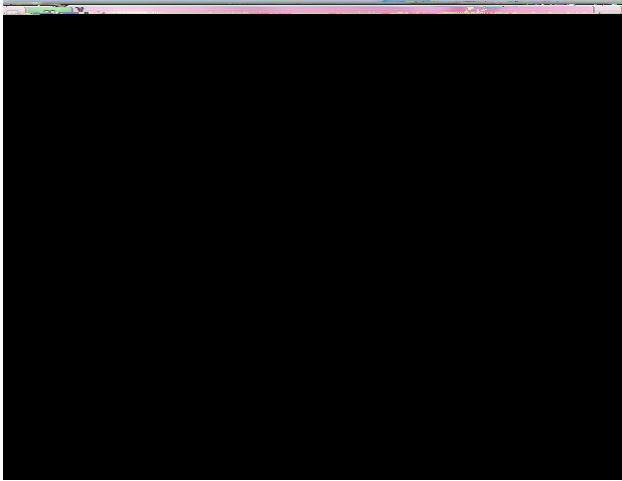
Or open the .vsi file in Cellsens software, then under file, select export to export all the images into a folder as .tiff files.

How to open .vis file images in ImageJ in correct color:

1. Download and install Olympus viewer plugin from <http://imagej.net/OlympusImageJPlugin>
2. Open .vis file in Olympus viewer in ImageJ



3. Go to Image tab, select Split Channels



4. Then go to Image tab, select Merge Channels



5. Switch C1 to (blue) and C3 to (red) channels (see below), then click OK.

6. Final step, go to Color, select stack to RGB. At this point, the images should be in the correct color. Then save the new correct color image file.

