

PROCEDURE FOR BACKGROUND SUBTRACTION USING THE ORCA

Do this for every image you take with the Orca

1. Optimize the image exposure time and gain using the live preview
2. Acquire a raw image of your sample
3. Move to a blank area of the slide (under the coverslip)
4. Acquire a background image of the optics– using the same settings as for the raw image
5. Close the shutter, preventing light from entering the camera
6. Acquire a background image of the camera dark current – using the same settings as for the raw image
7. Go to “Process” and select “Background Correction”
8. Make sure that the raw image is your active image (has a blue bar on top)
9. Make sure that the background of the optics is selected as the background image
10. Select “new image”
11. Do the background subtraction
12. Now take this new image (raw-optical background) and make it the current image
13. Make the background of the camera the background image
14. Select “new image”
15. Do the background subtraction
16. Final Image: Raw Image-Optics Background=Processed image 1-camera background
= Final processed image