

Olympus TIRF manual

1. Turn on the microscope, turn on PC, turn on UV lamp, and turn on Cool LED box.
2. Check the Andor camera to be on (power supply in camera).
3. Start **iQ2** software (choose Olympus TIRF)
4. In device setup-check that camera is cooling down (should reach -70C), wait 2 minutes
5. **Olympus-control-choose the objective and lower objective on the microscope BEFORE YOU PUT YOUR SAMPLE.**
6. Install your sample, use 150x objective, oil. Choose right filter (DAPI, LP510, 535/50, 610).
7. Choose between UV or LED on the back of the microscope. Find the sample using Eye piece.
8. Open Epi-shutter, camera shutter, chose exposure time.
9. Snap-save
10. For TIRF imaging: switch on the laser (477nm)-key horizontal
11. Eye peace part-up
12. Open light path from the laser: on the back of the microscope
13. Adjust the TIRF angle
14. **To turn off:** Switch off the shutter, turn the key, remove your sample, and wipe the objective with lens paper, close software.
15. **Copy your data and remove them from PC.**
16. Switch off PC, switch off the lamp, COOL LED box, microscope, switch of power cords. Report in the logbook.

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