



The really quick guide to the Axio Imager

ON

1 Arc lamp, 2 Power strip, 3 Computer, login, start MetaMorph

Press both the TL and RL buttons on the back right of the scope so both lights are on

Using the Microscope

- Eyepiece/camera switch in
- Choose objective
- For transmitted light, use cube1 and choose *brightfield* or *DIC* or *Colour* from the illumination menu (top left) and click the shutter icon to open/close.
- For fluorescence, choose the correct cube 2=DAPI, 3=CFP, 4=GFP, 5=YFP, 6=Red and start with *Cube-40* from the illumination menu (top left) and click the shutter icon to open/close

Acquiring an image

- Eyepiece/camera switch out
- Set switch for fluorescence camera (top) or colour camera (side) and click the appropriate button on the taskbar (either *Fluo camera* or *Colour camera*)
- Press the acquire button on the taskbar to open the dialog box
- Set the exposure time and check the binning (1 = full resolution)
- *Show live* to adjust fine focus and position
- Acquire captures the image, which can be saved as a TIF. Make an 8bit copy?
- Change the cube for other stains, acquire those images then *Overlay images*

No Taskbar? Try:

- Sliding the scroll bar to right
- Pressing F4

For histology images it is necessary to Kohler the scope (see main manual) and adjust the white balance (on the color tab of the acquire dialog box).

OFF

Remove sample and clean any oil objectives you used

Check the on-line reservation schedule to see if/when the next reservation is scheduled:

If someone else is scheduled within 1 hour...

- Exit MetaMorph, *Log Off* and sign the logbook

If you are the last scheduled session of the day or for more than 1 hour...

- Exit MetaMorph and *Shut down* the computer
- Sign the logbook
- Turn of the power strip (2) then the arc lamp (1)