

## Olympus Fluorescent Dissection Microscope

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Turn on Computer – Zen Blue

The Olympus has three light sources:

- KL1500 – adjusts level of brightness
- Schott – reflected light
- X-Cite – 3 Modes – move up and down arrows
  - Controls light intensity – varies from 12.5, 25, 50 (default), 100
  - Number of hours lamp has run
  - Timer to countdown (life of bulb is about 2000 hours)

Turn on light sources and give them a 15 minute warmup, leave on for at least 1 hour

Cubes using dial:

1. YFP – similar to GFP
2. DFT – triple label
3. Open – bright field
4. Open – bright field

Objectives:

- 2x gray
- 10x yellow
- 50x blue

Sliders:

- Eye to camera located on right side (IN: 100% to eyes, OUT: 30/70% eyes/camera)
- Stereo view to camera located on front (IN: 100% to eyes, OUT: 100% to camera)
- Slider to front controls magnification – 1x is default, can turn to 0.5x-2x by turning knob
  - 0.5 counterclockwise, 2x clockwise
- Slider on left slides out for X-CITE and has three adjustments:
  - IN (with infrared filter)
  - MIDDLE (without infrared filter)
  - OUT (off)