

# IX71 Inverted Microscope with CoolSnap B/W Camera and Image Pro Insight Software

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## Microscope Setup - Fluorescence

**IF USING FLUORESCENCE**, Turn on mercury lamp

Check light path on top of microscope toward the back.

Pull knob up to open the mercury light path.

Check the sliding shutter near the back of the scope on the left. You can have 100% or 0% light, depending on the position of the slider.

Choose desired fluorescence filter on right side of scope, below objectives:

Choose blue (UV), green, red, or green and red (BG). **Do NOT choose BF.**

**When using the mercury lamp, do not use the BF filter when looking thru the eyepieces.**

**With the BF filter, you will expose your eyes to UV light.**

**Quick Shutter** for fluorescence is just below the filter wheel on the right. It must be open to send light to your sample. Always close this shutter after acquiring an image or when not viewing your sample to prevent photobleaching.

## Microscope Setup - Bright field Reflected or Transmitted light

Turn on appropriate power supply for Reflected or Transmitted

Turn on remote button: Front of scope for Transmitted, small box for Reflected. Brightness of light can be controlled on either the power supply or the remote.

Transmitted light comes from the top lamp. The settings on the condenser will affect your image. See the section on Transmitted Light for more info.

Reflected light comes from the lamp in back to the right of the scope. Check the light path on top of the scope. Down opens the reflected light path.

Check the sliding shutter near the back of the scope on the left. You can have 100%, 63% or 0% light, depending on the position of the slider.

### Shut Down Steps

Turn off mercury lamp  
Turn off other lamps

Shut down computer

Cover Scope