

## **Microscope adjustment - quick and dirty**

1. Turn on the microscope.
2. Open fully the illuminated field diaphragm (IFD) and the condenser diaphragm.
3. Select the 10x objective (yellow identification band).
4. Put a specimen on the microscope stage and focus it.
5. Close the IFD.
6. Focus the diaphragm leaves by moving the condenser up and down.
7. Open up the IFD to just outside the field of view. Centre if needed.
8. Remove an eyepiece.
9. Set the condenser diaphragm to 80% diameter of the circular area seen.
10. Replace the eyepiece.
11. Go to the highest mag. objective - usually 40x (blue band).
12. Focus the image sharply – normally only need to use the fine-focus control.
13. Select the lowest mag. objective - 4x (red band) or 10x.
14. Without touching the focus, adjust the eyepiece dioptre controls to form a sharp image in each eyepiece.

## **Stereo-microscope adjustment**

1. Focus on a specimen in a Petri-dish, or on a mark on a piece of paper.
2. Go to the highest zoom factor – 8x. Make an adjustment to the focus.
3. Go to the minimum zoom.
4. Without touching the focus, adjust the eyepiece dioptre controls to form a sharp image in each eyepiece.

The image will remain in sharp focus throughout the zoom range.