

Dissecting microscope (Leica):

1) Eyepieces

2) Eyepiece tubes

3) Stand

4) Head

5) Magnification knob (6.5 – 40x)

6) Light beam adjustment

7) Focusing knob

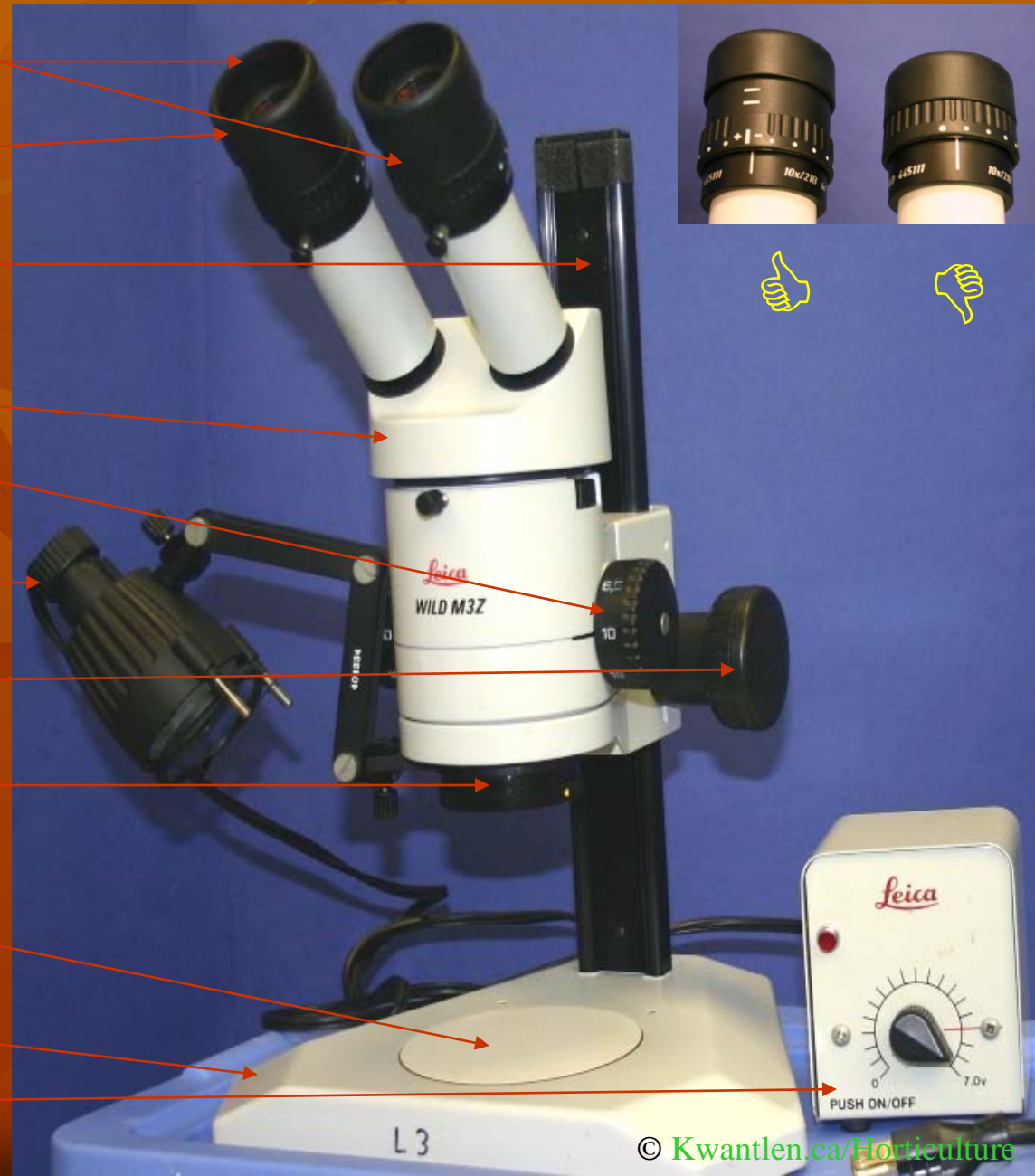
8) Light condenser

9) Specimen plate

10) Base

11) Transformer

Dissecting Microscopes



Dissecting microscope (Olympus):



1) Eyepieces

2) Head

3) Magnification knob (6.7 – 45x)

4) Stand

5) Light condenser

6) Incident light & adjustment

7) Focusing knob

8) Light intensity dials

9) Disposable Petri dish

10) Specimen plate (illuminated)

11) On/off

12) Base

Dissecting microscope set-up and care (Leica – room 1325; Olympus – room 1660)

- Remove dust cover and leave in cabinet under “Student Drawer” (room 1660 only)
- Lift microscope with one hand on base and one hand on stand
- Gently set microscope down on counter
- Ensure plastic rings are extended on the eyepieces (Leica only)
- Zero diopter adjustment: eyepieces should have white line markings lined-up (Leica) or the one white line set to zero (Olympus)
- Plug microscope cord into back of transformer (Leica only)
- Plug cord into electrical outlet
- Turn on light by pushing button on transformer and rotate to turn up intensity (Leica) or with on/off switch in right side of base and then rotating one or both light intensity knobs
- Place specimen on specimen plate (or first on a petri dish if cutting)
- Start with lowest magnification, aim light source
- Look through eyepieces, adjust for interpupillary distance, and focus on specimen
- Put away into same cabinet with same dust cover on; do not wrap cords around