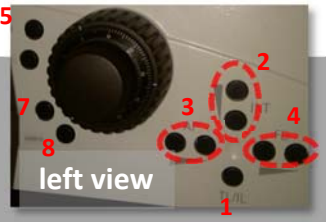
Startup DMI4000 microscope

Fully start LAS-AF before observing sample

(otherwise it will require finding your object again after LAS-AF initialization)



- Tilt transmitted light arm backwards
- Position proper objective (visible on front screen)
- Place object glas/ dish in table holder
- Restore transmitted light arm position
- Do not change condensor position (metal colored knob on left)

CONTROLER BUTTONS and SWITCHES:

Illumination panel (front set buttons- left):

1- *TL/IL:* transmistted light vs incident light viewing (restores to last used)

2 - *Int* to set brightness

do not touch buttons 3 and 4 (diaphragm switches)

Fluorescence panel (set of buttons behind focus - left)

5 - Switch between BF/ DIC / DIC-pol

6 – Fluorescence light path open

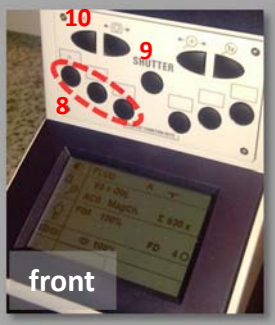
7 – Switch filter cubes (front panel shows cube in the light path, also 8)

Front panel buttons:

8 –Switch fluorescence cubes (also 7)

9 – Fluorescent light shutter

10 – Directs light to eyepiece



- Switch on bright field observation to find focus (minimize fluorescent illumination to avoid bleaching; front panel button (10) to direct light to the eyepieces)
- Switch to fluorescence using (1) or (6) and switch cubes using (7) or (8)
- Use xy controller to scan the sample (“salt ‘n pepper box”)

11 - XY fine

12 - XY fast

13 - X-range control

14 - Y-range control

- Close fluorescence shutter (9)
- Scan using Las-AF