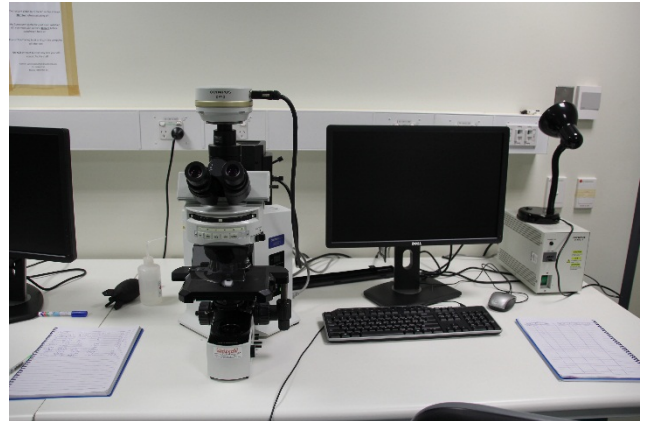


Fluorescent microscopes

Olympus BX-51 upright fluorescent microscope

- Best for slides only
- Mirror units/filters
 - BF: Brightfield
 - WU: Ultraviolet excitation (wide band)
 - WB: Blue excitation (wide band)
 - WG: Green excitation (wide band)
 - NIBA: Blue excitation (narrow band)
- Objectives: optimised for fluorescence
 - 4x dry
 - 10x dry
 - 20x dry
 - 40x dry
 - 100x oil
- Cellsens software



Olympus IX-51 inverted fluorescent microscope

- Used for both culture dishes/plates and slides
- Mirror units/filters
 - BF: Brightfield
 - DAPI: Ultraviolet excitation (wide band)
 - FITC: Blue excitation (wide band)
 - TRITC: Green excitation (wide band)
- Objectives: optimised for phase contrast
 - 4x dry
 - 10x dry
 - 20x dry (with correction collar)
 - 40x dry (with correction collar)
- Cellsens software



Nuance camera

- Spectral unmixing camera
- Spectral range: 420-720nm
- inForm Advanced Image Analysis software
- Can be used for both brightfield and fluorescence work
 - Removes background and autofluorescence
 - Multiparametric immunofluorescence work (e.g. up to 10 fluorochrome immunofluorescence)
- Can be installed on the BX-51 microscope (contact core facility staff for use)