

# Microscope Equipment:

Microscope	Zeiss Axioplan-2	Zeiss Axiovert 100	Olympus IMT2	Zeiss Standard	Zeiss LSM 410
<b>Stand</b>	Upright, completely motorized.	Inverted	Inverted	Upright	Inverted
<b>Objectives</b>	5x/0.15 Ph1 Plan-Neofluar 10x/0.3 dry Plan-Neofluar 20x/0.5 dry Plan-Neofluar 40x/1.0 oil Plan-Apochromat 63x/1.4 oil Plan-Apochromat 100x/1.4 oil Plan-Apochromat	2.5x/0.075 dry Plan-Neofluar 10x/0.5 dry Fluar 20x/0.75 dry Fluar 40x/1.3 oil Fluar 100x/1.3 oil Fluar 20x/0.4 Ph2 dry LD Achroplan 40x/0.6 Ph2 dry LD Achroplan	4x/0.1 dry DPlan 10x/0.25 HMC dry 20x/0.8 UV oil DPlanap 40x/0.5 LWD HMC dry 100x/1.4 oil SPlanapo	6.3x/0.16 Ph1 dry 40x/0.65 Ph2 dry 40x/0.75 Neofluar dry 63x/1.4 oil Planapo 63x/1.25 Ph3 oil Planneofluar	10x/0.25 Ph1 dry Achrostigmat 40x/1.3 DIC oil Planneofluar 63x/1.4 DIC oil Planapochromat Strain free 100x/1.4 oil
<b>Brightfield Contrasting</b>	Phase Contrast Differential Interference Contrast (DIC)	Phase-Contrast DIC	Hoffman-Modulation Contrast	Phase Contrast	Phase Contrast DIC
<b>Fluorescence</b>	Attoarc 100 (dimmable) Filtersets for UV, FITC, Rhodamine and Cy5,	Attoarc 100 (dimmable) Filtersets for UV, FITC, Rhodamine and Cy5,	HBO 100 Filtersets for UV, FITC, Rhodamine and Cy5,	HBO 50 Filtersets for FITC, Rhodamine, UV.	HBO 50 488/568nm Ar/Kr laser 633nm HeNe laser. No UV-laser Filtersets for FITC, Rhodamine, Cy5 confocal mode only.
<b>Camera</b>	SPOT-2	SPOT-2	B/W video	35mm	Confocal scanner
<b>Stage</b>	Motorized Z-axis	Motorized Z-axis	Manual focus	Manual focus	Motorized Z-axis
<b>Application</b>	high-resolution brightfield and fluorescence microscopy. Deconvolution microscopy for deblurring and 3D reconstruction.	high-resolution brightfield and fluorescence microscopy. Deconvolution microscopy for deblurring and 3D reconstruction. Observation of cell cultures in petridishes. Live-cell imaging, timelapse video microscopy	unstained cell culture samples in plastic petridishes w/ HMC and LWD optics, fluorescence labeled specimen on glass bottom culture dishes, fluorescence labeled specimen slide-mounted.	simple survey microscope e.g. to quickly check GFP transfection efficiency or outcome of staining procedures.	Fluorescence, transmission confocal microscopy, optical sectioning of specimen, elimination of out-of-focus light, 3D reconstruction, colocalization in 3D.