

Olympus IX-83 (Immunos)

Objective Lens

Magnification / NA	Immersion media	Lens type	Phase contrast	DIC	Working distance	Coverglass thickness
4X/0.13 PhL	Air	UPlan FL	X	X	17mm	
10X/0.3	Air	CPlan FL N	Ph1	X	9.5mm	
20X/0.45	Air	LUCPlan FL N	Ph2	yes	6.6-7.8mm	
40X/0.6 Ph2 LUCPlan FL N ∞/ 0-2 /FN 22	Air	LUCPlan FL N	X	X	3-4.2mm	0.17 mm
60X/1.35 UPlanSApo Oil ∞/0.17/FN26.5	Oil	UPlanSApo	X	yes	0.28mm	0.17 mm
60X/1.30 UPlanSApo Sil ∞/0.15-0.19/FN22	Silicon Oil	UPlanSApo Sil	X	yes	0.28mm	0.15-0.19 mm

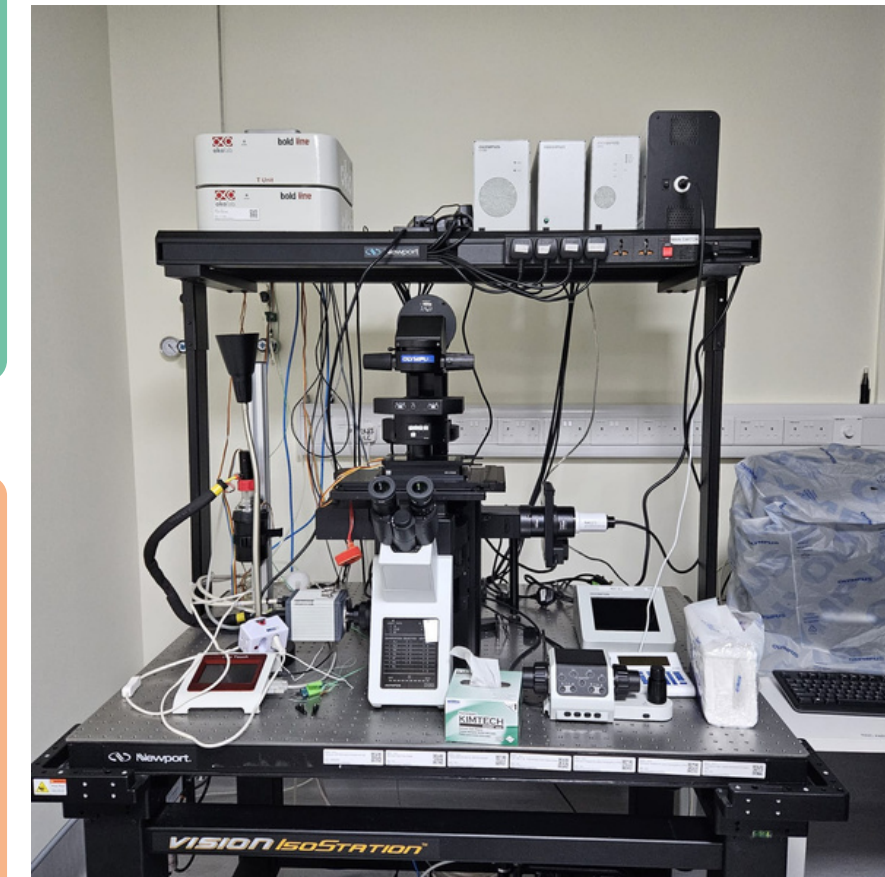
FL Filter Wheel

Channel	Excitation	Dichroic	Emission	Emission filter wheel	Emission filter wheel
DAPI	325-375 nm	ET Sedat Quad	435-485 nm	yes	yes
GFP	450-490 nm	DM 428-477	500-550 nm	yes	yes
TRITC	532.5-557.5 nm	DM502-542	570-640 nm	yes	yes
Cy5	590-650 nm	DM650-730	662.5-737.5 nm	yes	yes
CFP	426-450 nm	458 nm	502-538 nm	X	X
YFP	490-510 nm	515 nm	520-550 nm	X	X
Cy7	672.5-747.5 nm	760 nm	765-855 nm	X	X

Light sources

Transmitted / brightfield	monoLED
Widefield fluorescence	CooLED

Cameras	Hamamatsu ORCA flash 4	
Microscope body	Olympus IX83 with ZDC	
Sample formats	Adaptors for slide, chambered coverslip (LabTek II & ibidi) & 35 mm dish, 60mm dish, multi-well plate	
Incubator	OKO lab	37 deg C / range = 0-45 deg C
Stage	Olympus SSU motorised stage	
Software	CellSens	



Functions

Brightfield, Phase Contrast, Live Cell Imaging, High Content