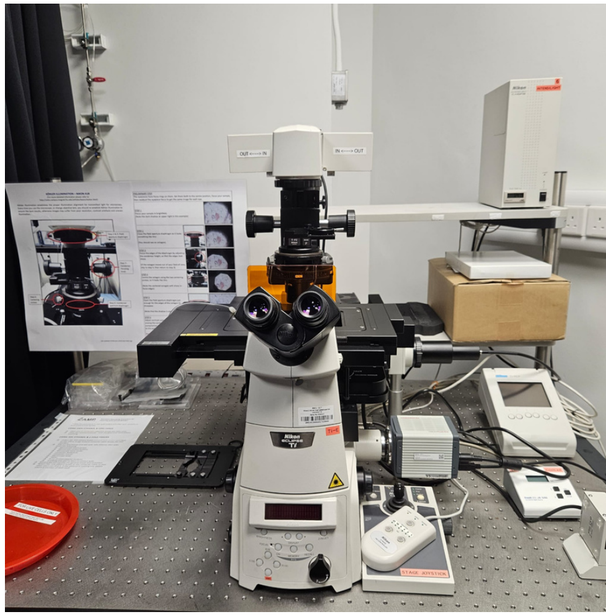
Nikon Ti-E WF Live-Cell Imaging

Objective Lens

Magnification / NA	Immersion media	Lens type	Phase contrast	DIC	Working distance	Coverglass thickness	Notes*
4x / 0.20	Air	Plan Apo	X	X	20 mm	-	
10x / 0.30	Air	Plan Fluor DLL	Ph1	X	16 mm	0.17 mm	
20X / 0.75	Air	Plan Apo VC	X	DIC N2	1.0 mm	0.17 mm	
40X / 0.60 *	Air	S Plan Fluor	Ph2	X	2.8-3.6 mm	0-2 mm	Installed upon request
40X / 1.30 *	Oil	Plan Fluor	X	DIC N2	0.24 mm	0.17 mm	Installed upon request
60x / 1.20 *	Water	CFI Plan Apo VC	X	DIC N2	0.28-0.31 mm	0.15-0.18 mm	Installed upon request
60x / 1.40	Oil	CFI Plan Apo VC	X	DIC N2	0.13 mm	0.17 mm	
100x / 1.40	Oil	CFI Plan Apo VC	X	DIC N2	0.13 mm	0.17 mm	

FL Filter Wheel

	Channel	Excitation	Dichroic	Emission	Notes*
Widefield	DAPI	325-375 nm	400 nm	435-485 nm	
	CFP*	426-446 nm	455 nm	460-500 nm	Installed upon request
	FITC	460-500 nm	505 nm	510-560 nm	
	YFP*	490-510 nm	515 nm	520-550 nm	Installed upon request
	TRITC	510-560 nm	565 nm	572.5-647.5 nm	
	Cy5*	608-648 nm	660 nm	672-712 nm	Installed upon request



Light sources

Transmitted / brightfield	CoolLED pE-100
Widefield fluorescence	Nikon Intensilight C-HGFIE

Detectors	**Widefield**	Hamamatsu ORCA Flash 4.0 v2
Microscope body	Nikon Eclipse Ti-E with motorised stage & PFS	
Sample formats	Slide Chambered coverslip 35 mm dish Multi-well plate (15 mm height for live cell imaging)	
Software	NIS-Elements AR5.41	
Incubator	LCI	37 deg C / range = 27-70 deg C

Functions

Live-cell imaging, BrightField, Phase contrast