

FV3000 Galvo Inverted

Objective Lens

Magnification / NA	Immersion	Type	Phase contrast	Working distance	Coverglass thickness
1.25x/0.04	air	PlanApo N	X	5	0.17 mm
10x / 0.40	Air	UPlanSApo	X	3.1	0.17 mm
20x/0.75	air	UPlanSApo	X	0.6	0.17 mm
40X/1.30	oil	UplanFL N	X	0.2	0.17 mm
60x/1.35	oil	UplanSApo	X	0.15	0 - 2.0 mm (coverslip thickness correction ring)
100x/1.45	oil	PlanApo TIRFM	X	0.13	0.17 mm

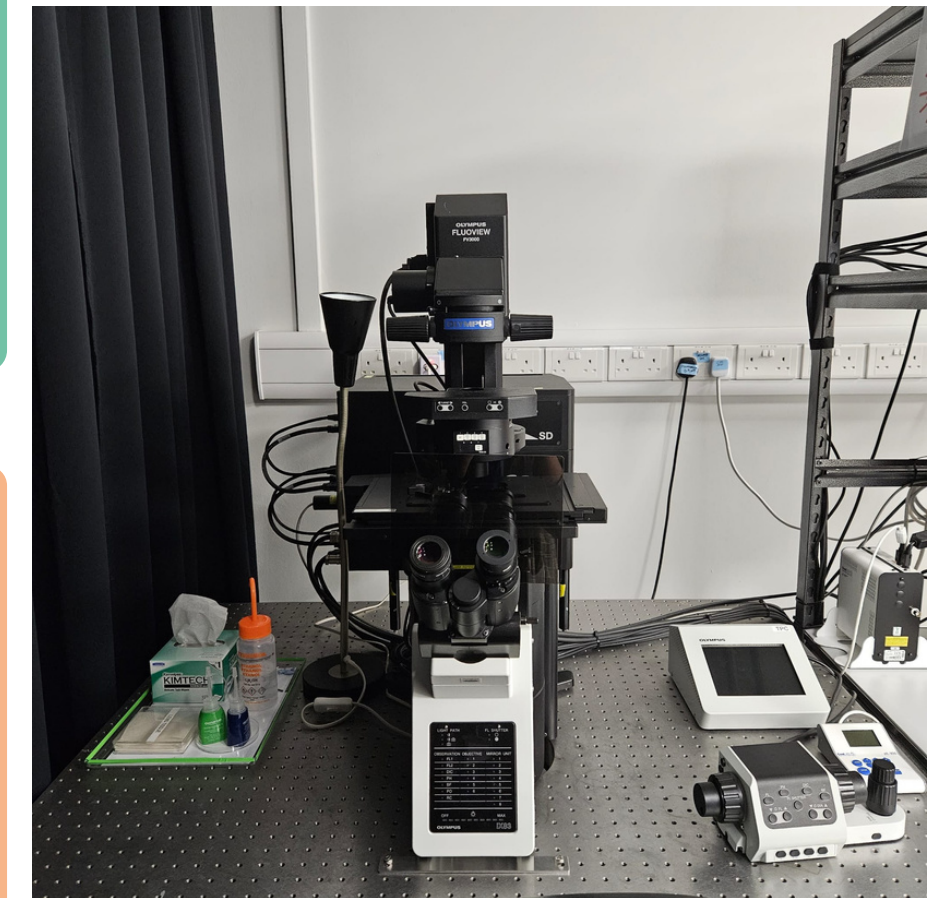
FL Filter Wheel

Channel	Brand	Excitation	Dichroic
DAPI	U-FUNA	BP360-370	DM410
FITC	U-FBNA	BP470-495	DM505
TRITC	U-FGNA	BP540-550	DM570
CY5	NA		

Light sources

Transmitted / brightfield	LED		
Widefield fluorescence	LED		
Lasers	Wavelength	Power	Confocal
	405 nm	50 mW	yes
	488 nm	20 mW	Yes
	561 nm	20 mW	Yes
	640 nm	40 mW	Yes

PMT detectors	Filter-based				
	Tunable	SD1 (PMT)	SD2 (PMT)	SD3 (PMT)	SD4 (PMT)
Microscope body		Spectral range: 400nm-800nm (with max. 100nm width, 1 nm accuracy)			
Sample formats		Spectral range: 400nm-800nm (with max. 100nm width, 1 nm accuracy)			
Incubator		Spectral range: 400nm-800nm (with max. 100nm width, 1 nm accuracy)			
Stage		Spectral range: 400nm-800nm (with max. 100nm width, 1 nm accuracy)			
Software		Spectral range: 400nm-800nm (with max. 100nm width, 1 nm accuracy)			



Functions

Confocal Imaging, WF Fluorescence