

FV3000RS Inverted (Immunos)

Objective Lens

Magnification / NA	Immersion media	Lens type	Phase contrast	DIC	Working distance	Coverglass thickness
10x / 0.40	Air	UPlanSApo	X	yes	3.1	0.17 mm
1.25x/0.04	air	PlanApo N	X	X	5	0.17 mm
20x/0.75	air	UPlanSApo	X	yes	0.6	0.17 mm
40X/1.30	oil	UplanFL N	X	yes	0.2	0.17 mm
60x/1.35	oil	UplanSApo	X	yes	0.15	0 - 2.0 mm (coverslip thickness correction ring)
30X/1.05	Silicon oil		X	X	0.8	0.17 mm

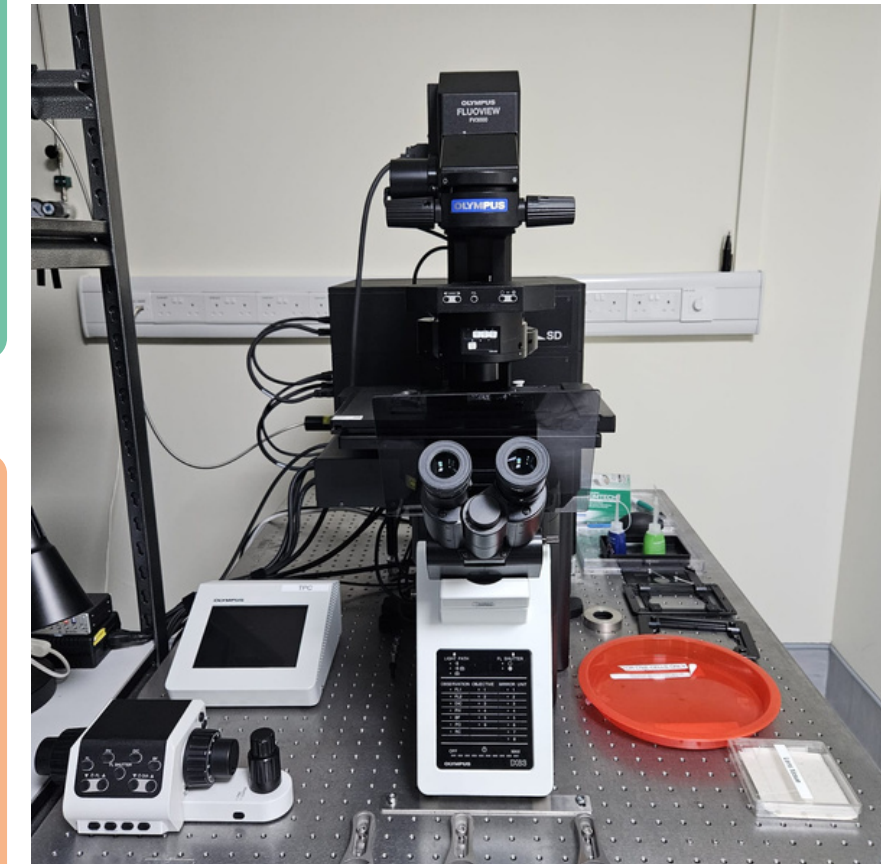
EL Filter Wheel

Channel	Brand	Excitation	Dichroic	Emission
DAPI	U-FUNA	BP360-370	DM410	BA 420-460
FITC	U-FBNA	BP470-495	DM505	BA 510-550
TRITC	U-FGNA	BP540-550	DM570	BA 575-625
CY5	NA			

Light sources

Transmitted / brightfield	LED		
Widefield fluorescence	U-HGLGPS MERCURY LAMP	Lifetime up to 2000 h	
Lasers	Wavelength	Power	Confocal
	405 nm	50 mW	Yes
	445 nm	75 mW	Yes
	488 nm	20 mW	Yes
	561 nm	20 mW	Yes
	640 nm	40 mW	Yes

PMT detectors	Filter-based				
	Tunable	HSD1 (GaAsP)	HSD2(GaAsP)	SD3 (PMT)	SD4(PMT)
		Spectral range: 400nm-800nm (with max.100nm width, 1 nm accuracy)	Spectral range: 400nm-800nm (with max.100nm width, 1 nm accuracy)	Spectral range: 400nm-800nm (with max.100nm width, 1 nm accuracy)	Spectral range: 400nm-800nm (with max.100nm width, 1 nm accuracy)
Scanners	Galvo Resonant				
Microscope body	Olympus IX83 with ZDC				
Sample formats	Adaptors for slide, chambered coverslip (ibidi) & 35 mm dish, multi-well plate				
Incubator	Okolab	37 deg C			
Stage	Olympus SSU motorised stage				
Software	FV31S-SW				



Functions

Confocal (Resonance scanner)