

# FV3000RS Upright

## Objective Lens

Magnification / NA	Immersion media	Lens type	Phase contrast	DIC	Working distance	Coverglass thickness
1.25x/0.04	air	PlanApo N	X	X	5.1 mm	0.17 mm
10x/0.40	Air	UPLSAPO	X	yes	3.1 mm	0.17 mm
40x oil/1.40	Oil	UPLXAPO	X	yes	0.18 mm	0.17 mm
60x oil/1.42	Oil	UPLXAPO	X	yes	0.15 mm	0.17 mm
100x oil/1.40	Oil	UPLSAPO	X	yes	0.13 mm	0.17 mm
60x W/1.00	Water dipping	LIMPlanFL N	X	yes	2 mm	0
20x/0.75	air	UPLXAPO	X	X	0.61 mm	0.17 mm

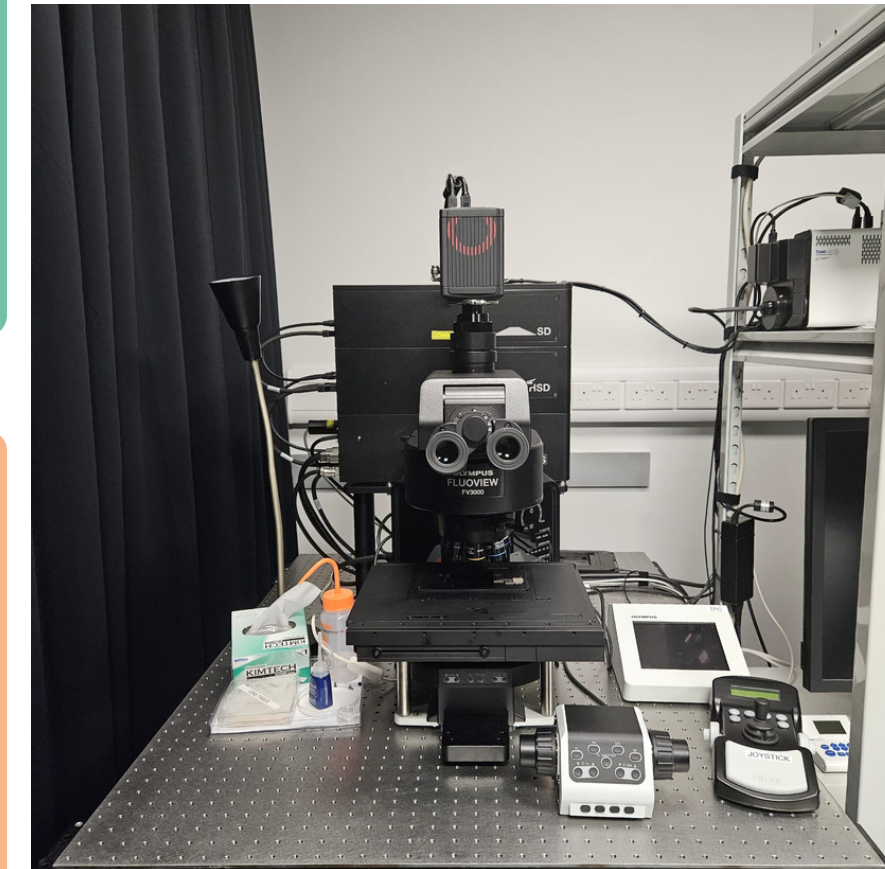
## FL Filter Wheel

Channel	Model	Excitation	Dichroic	Emission
DAPI	IX3-FBVWXL	BP400-440	DM455	460IF
CFP	IX3-FCFPXL	425-445HQ	450	460-510HQ
GFP	IX3-FGFPXL	460-480HQ	485	495-540HQ
YFP	IX3-FYFPXL	490-500YFP	515	515-560YFP
mCherry	IX3-FMCHEXL	565-585	595	600-690
CY5	Chroma_49006	590-650	660	BP 700/75

## Light sources

Transmitted / brightfield	LED		
Widefield fluorescence	PE300 LED	Lifetime up to 25,000 h	
Lasers	Wavelength	Power	Confocal
	405 nm	50 mW	Yes
	445 nm	75 mW	Yes
	488 nm	20 mW	Yes
	514 nm	40 mW	Yes
	561 nm	20 mW	Yes
	640 nm	40 mW	Yes

PMT detectors	Filter-based	NA	NA
	Tunable	2CH HSD1 (GaAsP) Spectral range: 400nm-800nm (with max.100nm width, 1 nm accuracy)	2CH HSD2(GaAsP) Spectral range: 400nm-800nm (with max.100nm width, 1 nm accuracy)
TD detector	Transmitted light detector with motorized light path switcher and motorized shutter for halogen lamp		
Camera	Orca-Flash4.0		
Scanners	Galvo Resonant		
Microscope body	Olympus BX63LF		
Sample formats	Adaptors for slide, 35 mm dish		
Stage	H101E1B3 ProScan® stage		
Software (confocal)	FV31S-SWPAD		
Software (WF)	cellSens V3.1		



## Functions

Confocal Imaging (Resonance scanner), High speed & High sensitivity WF Fluorescence