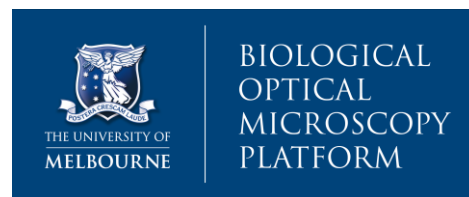


Olympus FVMERS multi-photon (Microbiology & Immunology)

INSTRUMENT SPECIFICATION SHEET



Location	Level 8, Peter Doherty Institute					
Stand	Upright Olympus BX50 frame					
Illumination	Transmitted			Fluorescence		
	100W Halogen lamp			U-HGLGPS		
Eyepiece Filters	Name	Excitation	Dichroic	Emission	Part Number	
	DAPI	BP 340-390	DM 410	420 LP	IX3-ERVXI	
	GFP	BP 460-480	DM 490	495-540	IX3-FGFPXL	
	RFP	BP 530-550	DM570	575 LP	IX3-FGWXL	
Lasers	Type	Wavelength			Pulse width	
	Mai-Tai DeepSee	690-1040 nm			<70 fs	
	Insight DeepSee	680 – 1300 nm			<120 fs	
Laser Scanner	Galvano scanner (4fps @ 512x512)					
	Resonance scanner (30 fps @ 512x512)					
Excitation filters	Name	Excitation	Dichroic	Emission	Part Number	
	Green	BP 410-455	DM 475	BP 495 - 540	FV30-FVG	
	Yellow	BP 460-500	DM 505	BP 520 - 560	FV30-FCY	
	Red	BP 495-540	DM570	BP 575 - 645	FV30-FGR	
	Cy5	BP 575-645	DM650	BP 660 - 750	FV30-FRCY5	
Stage control	Prior xyz motorized stage					
Objectives Specification	Magnification	Type	NA	Working distance	Coverslip Thickness	Part Number
25 x Water Imm.	25x	Water Imm	1.05	2 mm	Correction Collar	XLPN25XWMP2
Detectors	#	Type	Details			
	2	PMT	Non-descanned PMT detectors			
	2	GaAsP	Non-descanned cooled GaAsP-PMT detectors			
Software	FV30S-SW, FV30S-DT					
Holder	XY motorized stage control (Prior Z-deck), middle compartment can be swapped with universal slide holder					