

OLYMPUS FV1000

INSTRUMENT SPECIFICATION SHEET



Location	Room CSB338 (PC2), level 3, Royal Melbourne Hospital					
Stand	Olympus IX81 (Inverted)					
Illumination	Transmitted			Fluorescence		
	100W Halogen lamp			100W mercury lamp		
Filters	Name	Excitation	Dichroic	Emission		
	LSM	NA	NA	NA	NA	
	WU2	BP330-385	400	BA420	DAPI	
	WBV2	BP400-440	455	BA475	CFP	
	WIG3	BP530-550	570	BA575IF	TRITC	
	NIBA2	BP470-495	505	BA510-550	GFP	
	DICT	NA	NA	NA	Brightfield	
Lasers (hazard:3B)	Type		Wavelength		Maximum output	
	Diode		405nm		25 mW	
	Argon		457, 488, 515 nm		30 mW	
	HeNe-G		543 nm		1 mW	
	HeNe-R		633 nm		10 mW	
Stage control	Motorised stage control with z-stack, tile scan and point visiting capability					
Objectives Specification	Magnification	Type	NA	Working distance	Coverslip Thickness	Resolution at 550nm (Glycerol mounted)
UPlanSApo FN26.5 (Yellow)	10x	Air	0.4	3.10mm	0.17 (#1.5)	lateral:550 axial:1310
UPlanSApo FN26.5(Green)	20x	Air	0.75	0.60 mm	0.17 (#1.5)	lateral:293 axial:698
PlanApo WLSM FN22 (skyblue)	40x	Water	0.9	0.16 mm	0.17 (#1.5)	lateral:244 axial:582
UPlanSApo W FN26.5(Blue)	60x	Water	1.2	0.28 mm	0.13-0.21	lateral:183 axial:437
UPlanSApo O / FN26.5(White)	100x	Oil	1.4	0.13 mm	0.17 (#1.5)	lateral:157 axial:374
Detectors	#	Type	Details			
	2	sPMT	Spectral fluorescence detectors (CH1, CH2), 2nm resolution			
	1	PMT	Fluorescence detector (CH3)			
	1	T-PMT	Transmitted light			
Software	Olympus Fluoview Ver.1.7c					
Holder	Slides / 6 well					
Applications	Fixed sample only					
File Saving	USB only					
Extra features	6M02538					