

# OLYMPUS FV1000

## INSTRUMENT SPECIFICATION SHEET



<b>Location</b>	Room CSB338 (PC2), level 3, Royal Melbourne Hospital					
<b>Stand</b>	Olympus IX81 (Inverted)					
<b>Illumination</b>	<b>Transmitted</b>			<b>Fluorescence</b>		
	100W Halogen lamp			100W mercury lamp		
<b>Filters</b>	<b>Name</b>	<b>Excitation</b>	<b>Dichroic</b>	<b>Emission</b>		
	<b>LSM</b>	NA	NA	NA	NA	
	<b>WU2</b>	BP330-385	400	BA420	DAPI	
	<b>WBV2</b>	BP400-440	455	BA475	CFP	
	<b>WIG3</b>	BP530-550	570	BA575IF	TRITC	
	<b>NIBA2</b>	BP470-495	505	BA510-550	GFP	
	<b>DICT</b>	NA	NA	NA	Brightfield	
<b>Lasers (hazard:3B)</b>	<b>Type</b>		<b>Wavelength</b>		<b>Maximum output</b>	
	Diode		405nm		25 mW	
	Argon		457, 488, 515 nm		30 mW	
	HeNe-G		543 nm		1 mW	
	HeNe-R		633 nm		10 mW	
<b>Stage control</b>	Motorised stage control with z-stack, tile scan and point visiting capability					
<b>Objectives Specification</b>	<b>Magnification</b>	<b>Type</b>	<b>NA</b>	<b>Working distance</b>	<b>Coverslip Thickness</b>	<b>Resolution at 550nm (Glycerol mounted)</b>
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
<b>Detectors</b>	<b>#</b>	<b>Type</b>	<b>Details</b>			
	2	sPMT	Spectral fluorescence detectors (CH1, CH2), 2nm resolution			
	1	PMT	Fluorescence detector (CH3)			
	1	T-PMT	Transmitted light			
<b>Software</b>	Olympus Fluoview Ver.1.7c					
<b>Holder</b>	Slides / 6 well					
<b>Applications</b>	Fixed sample only					
<b>File Saving</b>	USB only					
<b>Extra features</b>	6M02538					