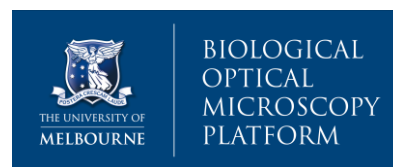


LEICA SP8 (BMB)

INSTRUMENT SPECIFICATION SHEET



Location	Room 324, Bio21 Institute					
Stand	Inverted DMI8 CEL Advanced					
Illumination	Transmitted			Fluorescence		
	LED			EL6000 (100W Metal-halogenide lamp)		
Filters	Name	Excitation	Dichroic	Emission		
	DAPI	BP 350/50	LP 400	BP 460/50		15525304
	GFP	BP 470/40	LP 495	BP 525/50		15525314
	RHOD	BP 546/10	LP 560	BP 585/40		15525308
Lasers	Type		Wavelength			Maximum output
	DMOD		405 nm			50 mW
	Solid state		488 nm			20 mW
	Solid state		552 nm			20 mW
	Solid state		638 nm			30 mW
Stage control	Manual stage control with z-stack (Super Z Galvo) capability					
Objectives Specification	Magnification	Type	NA	Working distance	Coverslip Thickness	Resolution at 550nm (Glycerol mounted)
HCX PL FL L 15506242	20x	Air	0.4	6.9 mm	0-2 mm	lateral:550 axial: 1310
HC PL APO CS2 15506358	40x	Oil	1.3	0.24 mm	0.17 mm (#1.5)	lateral:169 axial: 403
HC PL APO CS2 15506350	63x	Oil	1.4	0.14 mm	0.17 mm (#1.5)	lateral:157 axial: 374
HCX PL APO CS 11506210	100x	Oil	1.4	0.09 mm	0.17 mm (#1.5)	lateral:157 axial: 374
Detectors	#	Type	Details			
	1	HyD	Hybrid , GaAsP spectral fluorescence detectors			
	2	SP PMT	Spectral fluorescence detectors (400-800nm)			
	1	BF detector	Transmitted light detector			
Software	LAS X SP8					
Holder	Multi holder for slide & dish					
Applications	Fixed tissue, TOKAI HIT stage top incubator (INU-ONICS-F1)					
File Saving	External USB					
Extra features						