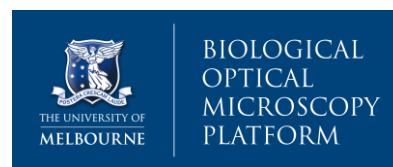


LEICA SP5 (Bio21)

INSTRUMENT SPECIFICATION SHEET



Location	Room 144 (inside 133A), Advanced Microscopy Facility, Bio21 Institute					
Stand	Inverted DMI6000B – CS (stand serial 337678)					
Illumination	Transmitted			Fluorescence		
	12 V/100 W halogen lamp			EL6000 (100W Metal-halogenide lamp)		
Filters	Name	Excitation	Dichroic	Emission		
	I3	BP 450-490	510	LP 515	FITC	
	N2.1	BP 515-560	580	LP 590	TRITC	
	A	BP 360/40	400	BP 470/40	DAPI	
Lasers	Type		Wavelength			Maximum output
	Diode		405 nm			50 mW
	Argon		458, 476, 488, 496, 514 nm			5,5,20,5,20 mW
	DPSS		561 nm			20 mW
	HeNe		633 nm			10 mW
Stage control	Motorised stage (Galvo) control with z-stack, tile scan and point visiting capability					
Objectives Specification	Magnification	Type	NA	Working distance	Coverslip Thickness	Resolution at 550nm (Glycerol mounted)
HCX Plan FLUOTAR 11506503	20x	Air	0.5	1.15mm	0.17 mm (#1.5)	lateral: 440 axial: 1048
HCX Plan-APO CS 11506251	40x	Oil	1.25	0.1 mm	0.17 mm (#1.5)	lateral: 176 axial: 419
HCX Plan-APO CS 11506188	63x	Oil	1.4	0.1 mm	0.17 mm (#1.5)	lateral: 157 axial: 374
HCX Plan-APO CS 11506210	100x	Oil	1.4	0.09 mm	0.17 mm (#1.5)	lateral: 157 axial: 374
Detectors	#	Type	Details			
	3	sPMT	Spectral detectors			
	1	T-PMT	Transmitted light			
Software	LAS AF (Leica Application Suite Advanced Fluorescence) version 2.6.0.7266					
Holder	slide / culture dishes					
Applications	Live cell imaging with heated chambers and gas controls Cell incubator is available for temporary storage					
File Saving	External USB					
Extra features	System: 5100001313 / Dongle: 2-1326478					