

ZEISS LSM5 PASCAL

INSTRUMENT SPECIFICATION SHEET



Location	E201, Medical building, Department of Anatomy & Neuroscience University of Melbourne						
Stand	Upright Axio Imager.M1						
Illumination	Transmitted				Fluorescence		
	Hal 100 (Halogen 12V 100W)				HBO 100 (Mercury short-arc 100W)		
Filters	Name	Excitation	Dichroic	Emission			
	00 PI	BP 530-585	FT 600	LP 615	488000-0000		
	10 AF488	BP 450-490	FT 510	BP 515-565	488010-0000		
	49 DAPI	G 365	FT 395	BP 445/50	488049-0000		
Lasers (hazard:3B)	Type		Wavelength			Maximum output	
	Argon		458, 488, 514nm			25mW	
	DPSS		561nm			15mW	
	HeNe		633nm			5mW	
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)
FLUAR 420130-9900	5x	Air	0.25	12.5 mm	0.17 (#1.5)		lateral:880 axial: 2095
Plan-APOCHROMAT 420640-9900	10x	Air	0.45	2 mm	0.17 (#1.5)		lateral:489 axial:1164
EC Plan-NEOFLUAR 420350-9900	20x	Air	0.5	2 mm	0.17 (#1.5)		lateral:440 axial:1048
EC Plan-NEOFLUAR 420462-9900	40x	Oil	1.3	0.21 mm	0.17 (#1.5)	DIC	lateral:169 axial:403
Plan-APOCHROMAT 420782-9900	63x	Oil	1.4	0.19 mm	0.17 (#1.5)	DIC	lateral:157 axial:374
Plan-APOCHROMAT 420792-9900	100x	Oil	1.4	0.17 mm	0.17 (#1.5)	DIC	lateral:157 axial:374
Detectors	#	Type	Details				
	2	PMT	Fluorescence detectors				
Software	Zen 2009						
Holder	Slides only						
Applications	Fixed sample only						
File Saving	USB or via network (Anatomy & Neuroscience users only)						
Extra features	NA						