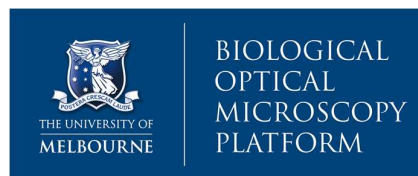


ZEISS LSM800

INSTRUMENT SPECIFICATION SHEET



Location	N815, 8 th Floor, Medical building, University of Melbourne					
Stand	Upright Axio Imager.Z2					
Illumination	Transmitted			Fluorescence		
	LED (ESID system)			Illuminator HXP 120 V (Mercury Arc 120W)		
Filters	Name	Excitation	Dichroic	Emission		
	49 DAPI	G 365	FT395	BP 445/50	488049-0000	
	10 AF488	BP 450-490	FT510	BP 515-565	488010-0000	
	20 Rhod	BP 546/12	FT560	BP 575-640	488020-0000	
Lasers	Type	Wavelength			Maximum output	
	Diode	405nm			5mW	
	Diode	488nm			10mW	
	Diode	561nm			10mW	
	Diode	640nm			5mW	
Stage control	Motorised XY stage control with z-stack, tile scan and point visiting capability					
Objectives Specification	Magnification	Type	NA	Working distance	Coverslip Thickness	Resolution at 550nm
Plan-Apochromat 420640-9900-000	10x	Air	0.45	2 mm	0.17 (#1.5)	lateral:489 axial:1164
Plan-Apochromat 420650-9901-000	20x	Air	0.8	0.55mm	0.17 (#1.5)	lateral:275 axial:655
Plan-Apochromat 420762-9800-000	40x	Oil	1.3	0.21mm	0.17 (#1.5)	lateral:169 axial:403
Plan-Apochromat* 420782-9900-799	63x	Oil	1.4	0.19mm	0.17 (#1.5)	lateral:157 axial:374
<i>*DIC capable</i>						
Detectors	#	Type	Details			
	1	Airy Scan	Airyscan detector, 32 channel GaAsP (Gallium Arsenide Phosphid) detector, optimised for 63x/1.4 oil objective			
	2	MA PMT	Fluorescence detectors (multialkali)			
	1	ESID	Transmitted light detector (Electronically Switchable Illumination and Detection module)			
Software	Zen 2.3 (Blue)					
Holder	Standard slide holder					
Applications	Fixed tissue					
File Saving	External USB / Via internal network					