ZEISS LSM710 (DMI)

INSTRUMENT SPECIFICATION SHEET

Location	Room 8023 (PC2 facility), Doherty Institute, Department of Microbiology & Immunology, University of Melbourne						
Stand	Upright Axio Examiner.Z1						
Illumination	**Transmitted**			**Fluorescence**			
	Hal 100 (Halogen 12V 100W)			X-cite® 120PC Q (Mercury Arc 120W)			
Filters	**Name**	**Excitation**	**Dichroic**	**Emission**	**Labelled as**		
	20 HE Rhod	BP 546/12	FT 560	BP 607/80	Alexa 561		
	49 DAPI	G 365	FT 395	BP 445/50	DAPI		
	65 HE AF488	BP 475/30	FT 495	BP 550/100	GFP		
Lasers	**Type**	**Wavelength**		**Maximum output**			
	Diode	405 nm		30 mW			
	Argon	458, 488, 514 nm		25 mW			
	DPSS	561 nm		20 mW			
	HeNe	633 nm		5 mW			
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)**
EC Plan-Neofluar 420340-9901	10x	Air	0.3	5.2 mm	0.17 (#1.5)	.	lateral:733 axial:1746
Plan-Apochromat 420650-9901	20x	Air	0.8	0.55mm	0.17 (#1.5)	.	lateral:275 axial:655
Plan-Apochromat 420782-9900	63x	Oil	1.4	0.19mm	0.17 (#1.5)	DIC III	lateral:157 axial:374
Plan-Apochromat 420792-9900	100x	Oil	1.4	0.17mm	0.17 (#1.5)	DIC	lateral:157 axial:374
W Plan-Apochromat 421452-9880-000 #	20x	Water	1.0	1.7 mm	0.17 (#1.5)		lateral:220 axial:524
Detectors	**#**	**Type**	**Details**				
	2	PMT	Fluorescence detectors				
	1	sPMT	Spectral fluorescence detector				
	1	T-PMT	Transmitted light detector				
Software	Zen 2012						
Holder	Slides, flat stage						
Applications	Slides						
File Saving	\\unimelb.edu.au\MDHS-Research\Platforms\BOMP\Data-mirror\LSM710-NLO						
Comments	# specialized water dipping lens kept out of the stand						