

Location	Room 7020 (PC2 facility), Doherty Institute, Department of Microbiology & Immunology, University of Melbourne.						
Stand	Inverted Axio Observer.Z1 SP						
Illumination	Transmitted			Fluorescence			
	Hal 100 (Halogen 12V 100W)			X-cite® 120Q (Mercury Arc 120W)			
Filters	Name	Excitation	Dichroic	Emission			
	10 AF488	BP 450-490	FT510	BP 515-565		488010-0000	
	20 Rhod	BP 546/12	FT560	BP 575-640		488020-0000	
	49 DAPI	G 365	FT395	BP 445/50		488049-0000	
Lasers	Type		Wavelength			Maximum output	
	Diode		405nm			5mW	
	Diode		488nm			10mW	
	Diode		555nm			10mW	
	Diode		639nm			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
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 420792-9900	100x	Oil	1.4	0.17mm	0.17 (#1.5)	DIC	lateral:157 axial:374
i Plan –Apochromat 420782-9900-720	63x	Oil	1.4	0.17mm	0.17(#1.5)		lateral:157 axial:374
Detectors	#	Type	Details				
	2	PMT	Fluorescence detectors				
	1	T-PMT	Transmitted light				
Software	Zen 2012						
Holder	Slides / dish insert (with heated stage)						
Applications	Fixed tissue / Live cell imaging with heated chambers and gas controls						
File Saving	External USB / Via internal network						
Extra features							