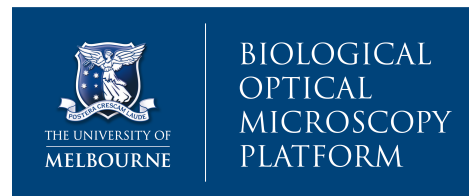


# ZEISS Axio Imager Z1

## INSTRUMENT SPECIFICATION SHEET



<b>Location</b>	E202, Medical building, Department of Anatomy & Neuroscience University of Melbourne						
<b>Stand</b>	Upright Axio Imager.Z1						
<b>Illumination</b>	<b>Transmitted</b>				<b>Fluorescence</b>		
	Hal 100 (Halogen 12V 100W)				Colibri 7		
<b>Excitation</b>	<b>Type</b>	<b>Wavelength</b>					
	UV	385 nm					
	Blue	475 nm					
	Green	555 nm					
	Yellow	590 nm					
	Red	630 nm					
<b>Filters</b>	<b>Name</b>	<b>Excitation</b>	<b>Dichroic</b>	<b>Emission</b>			
	<b>49 DAPI</b>	G365	FT395	BP 420-470	488049-0000		
	<b>10 AF488</b>	BP 450-490	FT 510	BP 515-565	488010-0000		
	<b>00 PI</b>	BP 530-585	FT 600	LP 615	488000-0000		
	<b>64 PLUM</b>	BP 562-587	FT 605	BP 612-682	489064-0000		
	<b>50 Cy 5</b>	BP 625-655	FT 660	BP 665-715	488050-9901		
<b>Stage control</b>	Motorised stage control with z-stack, tile scan and point visiting capability						
<b>Objectives Specification</b>	<b>Magnification</b>	<b>Type</b>	<b>NA</b>	<b>Working distance</b>	<b>Coverslip Thickness</b>		<b>Resolution at 550nm (Glycerol)</b>
FLUAR 420130-9900	5x	Air	0.25	12.5 mm	0.17 (#1.5)		lateral:880 axial: 2095
Plan-APOCHROMAT 420640-9900	10x	Air	0.4	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
<b>Camera</b>	AxioCam 503 CCD Camera (Monochrome, 14-bit, 1936 x 1460 pixels)						
<b>Software</b>	Zen Blue 2.3						
<b>Holder</b>	Slides only						
<b>Applications</b>	Fixed sample only						
<b>File Saving</b>	USB or via network (Anatomy & Neuroscience users only)						
<b>Extra features</b>	NA						