

# LEICA SP8 (BMB)

## INSTRUMENT SPECIFICATION SHEET



<b>Location</b>	Room 324, Bio21 Institute					
<b>Stand</b>	Inverted DMI8 CEL Advanced					
<b>Illumination</b>	<b>Transmitted</b>			<b>Fluorescence</b>		
	LED			EL6000 (100W Metal-halogenide lamp)		
<b>Filters</b>	<b>Name</b>	<b>Excitation</b>	<b>Dichroic</b>	<b>Emission</b>		
	DAPI	BP 350/50	LP 400	BP 460/50		15525304
	GFP	BP 470/40	LP 495	BP 525/50		15525314
	RHOD	BP 546/10	LP 560	BP 585/40		15525308
<b>Lasers</b>	<b>Type</b>		<b>Wavelength</b>			<b>Maximum output</b>
	DMOD		405 nm			50 mW
	Solid state		488 nm			20 mW
	Solid state		552 nm			20 mW
	Solid state		638 nm			30 mW
<b>Stage control</b>	Manual stage control with z-stack (Super Z Galvo) 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 mounted)</b>
HCX PL FL L 15506242	20x	Air	0.4	6.9 mm	0-2 mm	lateral:550 axial: 1310
HC PL APO CS2 15506358	40x	Oil	1.3	0.24 mm	0.17 mm (#1.5)	lateral:169 axial: 403
HC PL APO CS2 15506350	63x	Oil	1.4	0.14 mm	0.17 mm (#1.5)	lateral:157 axial: 374
HCX PL APO CS 11506210	100x	Oil	1.4	0.09 mm	0.17 mm (#1.5)	lateral:157 axial: 374
<b>Detectors</b>	<b>#</b>	<b>Type</b>	<b>Details</b>			
	1	HyD	Hybrid , GaAsP spectral fluorescence detectors			
	2	SP PMT	Spectral fluorescence detectors (400-800nm)			
	1	BF detector	Transmitted light detector			
<b>Software</b>	LAS X SP8					
<b>Holder</b>	Multi holder for slide & dish					
<b>Applications</b>	Fixed tissue, TOKAI HIT stage top incubator (INU-ONICS-F1)					
<b>File Saving</b>	External USB					
<b>Extra features</b>						