

LEICA SP2 (BOTANY)

INSTRUMENT SPECIFICATION SHEET



Location	Room 140 (EM), Botany						
Stand	Inverted DM IRB						
Illumination	Transmitted				Fluorescence		
	12 V/100 W halogen lamp				50W HBO Mercury lamp		
Filters	Name	Excitation	Dichroic	Emission			
	A	BP340-380	400	LP425		DAPI	
	N2.1	BP515-560	580	LP590		TRITC	
	I3	BP450-490	510	LP15		FITC	
Lasers	Type		Wavelength			Maximum output	
	Diode		405 nm			25 mW	
	Argon		458, 488, 514 nm			500 mW	
	HeNe		543 nm			5 mW	
	HeNe		633 nm			25 mW	
Stage control	Manual stage control with z-stack capability						
Objectives Specification	Magnification	Type	NA	Working distance	Coverslip Thickness	Resolution at 550nm (Glycerol mounted)	
HC PL FLUOTAR 11506507 PH1	10x	Air	0.3	11.0 mm	-	lateral: 733 axial: 1746	
HC PL FLUOTAR 11506013 PH2	20x	Air	0.5	1.15 mm	0.17 mm (#1.5)	lateral: 440 axial: 1048	
HXC PL FLUOTAR 11506145 PH2	40x	Air	0.75	0.4 mm	0.17 mm (#1.5)	lateral:293 axial: 698	
PL FLUOTAR 11506016 PH3	40x	Oil	1.0	0.08 mm	-	lateral:220 axial:524	
HXC PL APO 11506192	63x	Oil	1.4	0.1 mm	0.17 mm (#1.5)	lateral:157 axial: 374	
HXC PL FLUOTAR 11506017	100x	Oil	1.3	0.13 mm	0.17 mm (#1.5)	lateral:169 axial: 403	
Detectors	#	Type		Details			
	2	sPMT		Spectral detectors			
	1	T-PMT		Transmitted light			
Software	Leica Confocal Software version 2.61 Build 1537						
Holder	Multi holder for slide & dish						
Applications	TOKAI HIT Stage Top Incubator						
File Saving	External USB						
Extra features	System: 1484000365						