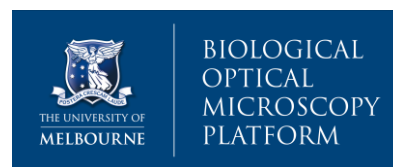


DV ELITE (BMB)

INSTRUMENT SPECIFICATION SHEET



Location	Room 115, Bio21 Institute				
Stand	Inverted Olympus IX71				
Illumination	Transmitted			Fluorescence	
	Custom Transmission module			Insight SSI (Lumencor)	
Excitation & Emission filters	Channels	Filter Set	Excitation	Average Power	Emission
	DAPI	Standard (#1)	390/18	55 mW	435/48
	FITC	Standard (#1)	475/28	54 mW	523/26
	TRITC	Standard (#1)	542/27	85 mW	594/45
	Cy5	Standard (#1)	632/22	48 mW	676/34
	DAPI	Alexa (#2)	390/18	55 mW	435/48
	FITC	Alexa (#2)	475/28	54 mW	523/26
	mCherry	Alexa (#2)	575/25	89 mW	632/60
	Cy5	Alexa (#2)	632/22	48 mW	676/34
	CFP	Live Cell (#3)	438/24	85 mW	470/24
	GFP	Live Cell (#3)	475/28	54 mW	525/50
	YFP	Live Cell (#3)	513/17	22 mW	559/38
	mCherry	Live Cell (#3)	575/25	89 mW	632/60
Stage control	Motorised stage control with z-stack, tile scan (with overlap correction) and multi-positioning capability.				
Environmental chamber	Black opaque environmental chamber with temperature (Ambient – 50°C) and gaseous (gas flow & bubbler) environment control.				
Objectives Specification	Mag.	Type	NA	Working distance	Coverslip Thickness
PlanApo (Olympus)	60x	Oil	1.42	0.15 mm	0.17 mm (#1.5)
U-Plan S-Apo (Olympus)	100x	Oil	1.42	0.12 mm	0.17 mm (#1.5)
U-planF1 (Olympus)	40x	Dry	0.75	0.51 mm	0.17 mm (#1.5)
Detectors	#	Type	Details		
	1	Interline CCD	Coolsnap HQ2, 1024 x 1024, >60% QE		
Software	SoftWoRx 6.1 with deconvolution, stitching, rendering, chromatic correction				
Holder	Multi holder for slide & dish				
Applications	Automated image deconvolution. Live cell imaging with incubator/gas control.				
File Saving	External USB or local lab server drive				
Extra features	System CN70639				