

NIKON Livescan Sweptfield Confocal

Microscope Base	Stage	Objectives		Pixel size with Camera: Andor Ixon3 512x512, EMCCD With zoom 1x	Pixel size with Camera: Photometrics Coolsnap HQ2 1392x1040, CCD With zoom 1x	Brightfield		Epifluorescence				Sweptfield Confocal						
		Type	NA			Light source	Cube filter	Light source: Héliophor				Light source: Agilent MLC400 Monolithic Laser Combiner						
								LED channel	Fluorescence Cube filter	Excitation λ (peak/Full Width at ½ max)	dichroic beamsplitter	Emission λ (peak/Full Width at ½ max)	Laser	Fluorescence filter (on the filter wheel)	Excitation λ (peak/Full Width at ½ max)	Emission λ (peak/Full Width at ½ max)		
Eclipse Ti-E inverted microscope	motorized stage and NIDAQ piezo: MLC Nano Z100-N resolution 0.2 nm, Range motion 100µm. Perfect focus : Ti-ND6-PFS	Diascopic Plan APO 20x dry	0.75	0.81	0.32	Analyzer	Ti-DH Dia pillar illuminator 100W. Halogen lamp 12V-100L.L	LED 405nm (402nm /15), 175mW	Quad custom	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728	Diode 405 nm	Quad		430-485 +520-550 +590-630 +680-740		
		CFI PLAN APO 40x AIR	0.95	0.4	0.16			FITC	465-495	505	515-555	Diode 488 nm	GFP narrow		520/40			
		CFI Super Fluor 40x oil WD 0.22mm	1.3	0.4	0.16			LED 480 nm (475/50), 450mW	Quad	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728		GFP/mcherry		500-544 + 600-665		
		CFI Plan APO VC 60X oil WD 0.13 mm	1.4	0.27	0.11			Custom 515/FM4-64		BS 515-700	EM550LP		Quad			430-485 +520-550 +590-630 +680-740		
		CFI PLAN APO Lambda 100x oil WD 0.13mm	1.45	0.16	0.06			TRITC				528-553	565	590-650	Diode 561 nm	GFP/mcherry		500-544 + 600-665
								LED 555nm (560/50), 365mW	Quad custom	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728		Quad			430-485 +520-550 +590-630 +680-740	
								LED 640nm, (635/60) 240mW	Quad	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728	Diode 640 nm	Quad			430-485 +520-550 +590-630 +680-740	