

Primo micropatterning/color imaging system

Specification	
LED	365nm (micropatterning); 385nm; 475nm; 561nm
Microscope	
Stand	Inverted: Nikon Eclipse Ti2-E
XY stage	Marzhauser XY Motorized Sample
Filter cubes	DAPI (EX: ET385/70x; BS:T425lpxr; EM: ET460/40m); GFP (EX: ET460/30x; BS:T495lpxr; EM: ET520/40m); mCherry (EX: ET565/55x; BS:T600lpxr; EM: ET625/30m); Cy5 (EX: ET640/30x; BS:T660lpxr; EM: ET690/50m)
Objectives	4x N.A. 0.20, W.D.20.00 mm; 10X N.A. 0.45, W.D. 4.0 mm; 20XC N.A. 0.45, W.D. 8.2-6.9 mm, cover glass correction: 0-2.0 mm
Accessories	Perfect focus system
Micropatterning module	Primo 2
Detectors	ORCA-Flash4.0 LT+ (micropatterning)
	DS-Fi3 color image camera (color imaging)
Software	Windows 11, NIS-Elements (color imaging), Leonardo (micropatterning), Inkscape (micropatterning)
Application	Micropatterning; widefield color imaging; XY 2D imaging; Z-stack 3D imaging; multi-spectrum fluorescent imaging