

Zeiss LSM 800 Inverted Confocal Microscope

Specification	
Lasers	Diode : 405nm (5mW); 488nm (10mW); 561nm (10mW); 640 nm (5mW)
Microscope	
Stand	Inverted: Axio Observer
XY stage	Motorized scanning stage, Piezo stage insert
Filter cubes	#49 DAPI; #20 Rhodamin; #10 AlexaFluor 488; #50 Cy5
Objectives	10x 0.45Ph1; 20x0.8Ph2; 40x1.4 oil DIC; 63x1.4 oil DIC
Accessories	TOKAI HIT Stage Top Incubator Definition Focus Unit
Scan Module	
Scan mode	xy, xyz, xz, xt, xyt, lambda
Scanning speed	8 frames/sec with 512 × 512 pixels
Detector	Airyscan (32-channel GaAsp PMTs) + 2 single PMTs ; 1 transmitted light channel ESID
Software	Windows 7, ZEN 2.3 (BLUE Edition)
Application	DIC/Phase contrast imaging; Spot/line Scan; Xy 2D imaging; multi-spectrum fluorescence imaging; Z-stack 3D imaging, colocalization, live cell imaging; FRAP, FRET