

Zeiss LSM 900 Inverted Confocal Microscope with Airyscan

Specification	
Lasers	Diode : 405nm (5mW); 488nm (10mW); 561nm (10mW), 640 nm (5mW)
Microscope	
Stand	Inverted: Axio Observer 7
XY stage	Motorized scanning stage
Filter cubes for observation	Solid-state light source Colibri 7, Filter set 90 HE LED(E), Excitation 383nm, 475nm, 555nm, 630nm, Emission filter QBP 425/30+514/30+592/30+709/100
Objectives	2.5X0.085 ; 5x 0.2 DIC; 10x 0.45 Ph1; 20x 0.8 Ph2; 40x 1.4 Oil DIC;
Accessories	TOKAI HIT Stage Top Incubator Definition Focus Unit
Scan Module	
Scan mode	xy, xyz, xz, xt, xyt, lambda
Scan speed	8.3 frames/second at 512 × 512 pixels.
Detector	Airyscan 2 (32-channel GaAsp PMTs), 2 GaAsp PMTs; 1 transmitted light T-PMT
Software	Windows 10, ZEN 3.1 (BLUE version)
Application	DIC/Phase contrast imaging; Spot/line Scan; XY 2D imaging; multi-spectrum fluorescent imaging; Z-stack 3D imaging, colocalization, live cell imaging; FRAP, FRET, ZEN connect; Sample navigation