

VT-iSIM High Speed Super-resolution confocal Microscope

Specification

Items	
Objectives	• Plan Apo10X/ 0.45 • Plan Apo λD 20X/ 0.8 • Plan Apo λS 60X/ 1.3 silicon lens • Apo TIRF100X/ 1.49 oil lens
LED Light Source	• DAPI • FITC • mCherry
Laser	• 405 @100mW • 488 @100mW • 561 @ 100mW • 640 @100mW
Detector	• Quantum CMOS (qCMOS), QE 90%, 4096 x 2304, 9.4 Megapixels
Incubator System	OKOLAB Warming Chamber • Temp range: 3 - 45°C • Temp resolution: 0.1°C • CO2 range: 0-10% • CO2 resolution: 0.1%
Sample Insert	• Universal slide x1 • 35mm confocal dish x2 • Multi-well plate x1
Imaging Software	• 4D data acquisition • Region of interest acquisition • Tile scan
Analysis Software	• Segmentation • Automated measurement • ROI tools and statistics • Time-measurement • Volume measurement • Kymograph • Pixel classifier • Colocalization