

Zeiss Cell Observer Spinning Disc Confocal



GENERAL SPECIFICATIONS:

- Zeiss Observer Inverted Research Microscope Stand
- Spinning Disk Unit CSU-X1M 5000 Dual Cam
- Automated XY-stage
- Definite Focus (NIR LED Hardware Focus to eliminate Thermal Drift)
- AxioCam High Resolution Microscopy Camera
- Hamamatsu Orca Flash4.0 V2 sCMOS with 6.5 micron pixels.

MICROSCOPE OBJECTIVES:

- Objective EC Plan-Neofluar 10x/0.3 M27
- Objective Plan Apo 20x/0.8 dry
- Objective LCI Plan-Neofluar 25x/0.8 Imm Corr DIC M27
- Objective LD C-Apochromat 40x/1.1 W Corr M27
- Objective Plan-Apochromat 63x/1.40 Oil M27
- Objective Plan-Apochromat 100x/1.40 Oil M27

ILLUMINATION :

- 405 nm / 50 mW
- TIRF multiline Ar-laser 458/488/514nm (100mW)
- 561nm/40mW
- 635nm/30mW

ENVIRONMENT CONTROL:

- Incubator chamber with temperature and CO2 control

SOFTWARE

- ZEN Blue 2 with 3D VisArt and Tiling