

Cicero Spinning Disk Confocal(Inverted)

Illumination

89North LDI-5 laser launch:

405nm

488nm

555nm

637nm

730nm

Filters

High-density OD8 emission filters:

440/40nm em filter

525/50nm em filter

600/50nm em filter

655LP em filter

Lenses

- 5x Plan Neofluar Dry (NA 0.16, WD 13.6mm)
- 20x Plan Apo Dry (NA 0.8, WD 0.61mm)
- 40x Plan Apo Dry (NA 0.95, WD 0.25mm)
- 63x Plan Apo Oil (NA 1.4, WD 0.19mm)
- 100x Plan Apo Oil (NA 1.46, WD 0.1mm)

Detector

- Hamamatsu Flash4.0 LT sCMOS camera, 16-bit depth, 2048 x 2048 pixels, 6.5 μ m Pixel pitch

Pixel Sizes

- 20x = 0.32 μ m
- 40x = 0.16 μ m
- 60x = 0.11 μ m
- 100x = 0.07 μ m

Extras

Stagetop incubator w. CO2 suitable for magnetic coverslip chambers, also used as epifluorescence microscope.