

# Zeiss Axio Observer (Inverted)

## Illumination

Zeiss Colibri 7 w. emissions @:  
385/30nm  
423/44nm  
469/38nm  
511/44nm  
555/30nm  
591/27nm  
631/33nm  
735/40nm

## Filters

Quad- and Tri- bandpass dichroic mirrors  
Quad- and Tri- bandpass emission filters  
475/20nm em filter  
525/50nm em filter  
560/40nm em filter  
630/60nm em filter  
690/100nm 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 $\mu$ m Pixel pitch

## Pixel Sizes

- 20x = 0.32 $\mu$ m
- 40x = 0.16 $\mu$ m
- 60x = 0.11 $\mu$ m
- 100x = 0.07 $\mu$ m

## Extras

Stagetop incubator w. CO<sub>2</sub> suitable for magnetic coverslip chambers, also used as spinning disk confocal.