

Nikon Sweptfield

Illumination

- 405 nm laser (100mW)
- 488 nm laser (100mW)
- 561 nm laser (100mW)
- 640 nm laser (100mW)

Filters

Emission:

- 520/40 "Green"
- 620/60 "Red"
- 445/40 + 515/30 + 595/40 + 705/70 "Quad"
- 520/40 + 630/60 "Red/Green"

Lenses

- 40x Plan Apo Dry (NA 0.95, WD 0.21mm)
- 60x Plan Apo Oil (NA 1.45, WD 0.13mm)
- 100x Plan Apo Oil (NA 1.45, WD 0.13mm)

Detector

- Photometrics Evolve 512 Delta EMCCD Camera; 16-bit depth, 16.5 μ m Pixel pitch

Pixel Sizes

- 40x = 0.4 μ m
- 60x = 0.27 μ m
- 100x = 0.16 μ m

Extras

Piezo stage, stagetop incubator w. CO₂ suitable for 96-well plates, magnetic coverslip chambers and microscope slides