

Nikon TIRF (inverted)

Illumination

- 405 nm laser (50mW)
- 488 nm laser (50mW)
- 561 nm laser (100mW)
- 640 nm laser (40mW)

Filters

Emission:

- 450/25 + 520/40 + 600/60 + 705/70 "Quad"
- 520/70 "Green"
- 630/75 "Red"
- 725/350 "FM464"

DAPI and Far-Red available upon request.

Lenses

- 20x Plan Apo Dry (NA 0.75, WD 1.0mm)
- 40x S Fluor Oil (NA 1.3, WD 0.19mm)
- 60x Apo TIRF Oil (NA 1.49, WD 0.1mm)
- 100x Apo TIRF Oil (NA 1.49, WD 0.1mm)
- 100x Plan Apo Oil (NA 1.45, WD 0.13mm)

Detector

- Photometrics Prime BSI sCMOS camera, 16-bit depth, 2048 x 2048 pixels, 6.5µm Pixel pitch

Pixel Sizes

- 20x = 0.32µm
- 40x = 0.16µm
- 60x = 0.11µm
- 100x = 0.07µm

Extras

Stagetop incubator w. CO2 suitable for magnetic coverslip chambers, Hg Lamp for epifluorescence, DIC optics