

Nikon AX Specifications

Objectives

| | NA | W.D. (mm) |
|--|------|-----------|
| CFI Plan Apochromat Lambda D 4x | 0.20 | 20 |
| CFI Plan Apochromat Lambda D 10x | 0.45 | 4 |
| CFI Plan Apochromat Lambda D 20x | 0.80 | 0.80 |
| CFI Plan Apochromat Lambda D 40x | 0.95 | 0.21 |
| CFI Plan Apochromat Lambda D 63x Oil ^{※1} | 1.42 | 0.15 |

※1 60x oil-immersion objective lens

Laser

| | Wavelengths (nm) |
|-------------|------------------|
| Diode Laser | 405 |
| | 488 |
| | 561 |
| | 640 |

Detector

| Detector | | Wavelengths (nm) |
|--|-------------------------------|------------------|
| Fluorescence observation 2 channels | GaAsP PMT | 400-750 |
| | GaAsP PMT(LVF ^{※2}) | |
| Transmitted light observation (DIC) 1 channel | Multi-alkali PMT | |

※2 Linear Variable Filter (LVF)

Filter cubes installed in the Ti2-E body (For observation under the microscope)

| | Excitation | Dichroic mirror | Emission |
|-------------------------------|------------|-----------------|------------|
| Fluorescent Filter: C-LED 385 | EX 400/40 | DM 425 | BA 478/85 |
| Fluorescent Filter: C-LED 470 | EX 470/40 | DM 495 | BA 525/50 |
| Fluorescent Filter: C-LED 560 | EX 525-575 | DM 600 | BA 593-668 |