

Higher Frequency

Lower Frequency

UV Olympus FV500 Confocal Microscope PMT Channels IR

400

500

600

700

Wavelength (nm)

Channel 1



- ACMA A430 Em474
- DAPI A372 Em456
- eCFP A433 Em475
- AlexaFluor405 A402 Em421
- Hoechst 33258 A350 Em450

Channel 2



- FITC A494 Em518
- eGFP A488 Em507
- AlexaFluor488 A491 Em515
- Cy-2 A492 Em510
- AlexaFluor 514 A517 Em542
- eYFP A513 Em527

Channel 3



- TRITC A530 Em555
- AlexaFluor546 A556 Em573
- Cy-3 A550 Em570
- AlexaFluor555 A555 Em570
- AlexaFluor568 A578 Em603
- AlexaFluor594 A590 Em617
- TexasRed A596 Em620

Channel 4



- Cy-5 A650 Em670
- AlexaFluor633 A632 Em647
- Alexa Fluor647 A650 Em665
- AlexaFluor660 A663 Em690

Channel 5

Transmitted Light
DIC Images

A = peak absorbance
Em = peak emission