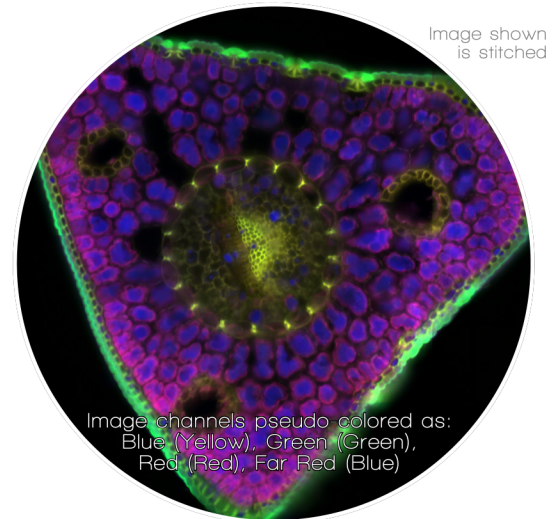
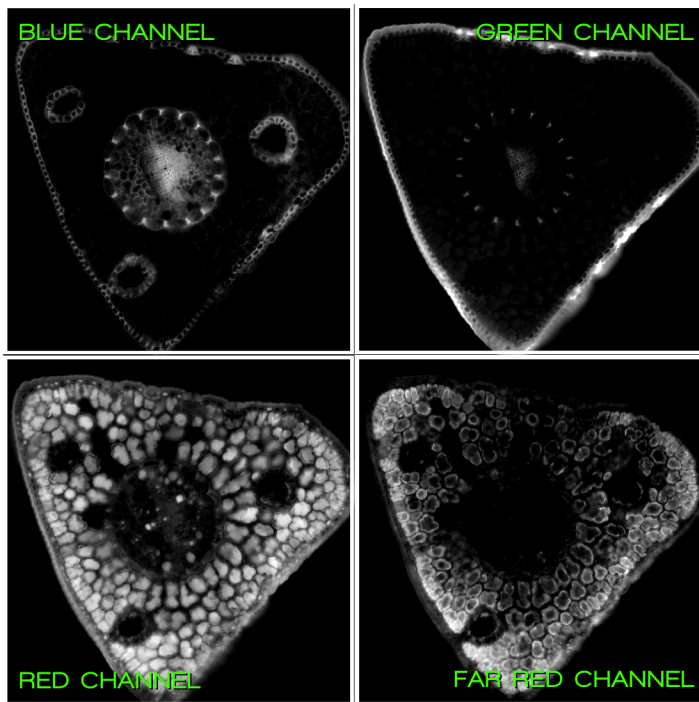


## PLANT: PINE NEEDLE – SPECTRAL/AUTOFLUORESCENT

*Thicknesses Available:*  
100 µm, 200 µm & 400 µm

*Mounting:* #1.5 Cover slips  
Vectashield™ Plus

Fluorophore	Excitation	Emission	λmax
Extractive	355 nm	Blue	455 nm
Suberin	355 nm	Blue	465 nm
Lignin	355/488 nm	Blue/Green	455/535 nm
Ferulate	355 nm	Green (pH9)	480 nm
Flavanoid	488 nm	Green	535 nm
Chlorophyll	355/488/561/633 nm	Red	685/730 nm



*Microscope Used:* Confocal  
*Objective Lens:* 20x  
*Sample Depth:* 100 µm

### SYSTEM USAGE:

Confocals, Multiphoton

### CHECK & VALIDATE:

Filter sets & Camera settings • Image Registration in x, y, & z  
Chromatic Integrity • Depth Penetration

### STORAGE & STABILITY:

Store in OptiSlides case • Short-term stable at Room Temperature  
Best Refrigerated • Storage at 4° C increases longevity  
When stored properly, OptiSlides mounted samples retain their clarity & brightness for 6 to 24 months depending on the sample & usage.