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Detailed Technical Specifications for Laser for Existing Confocal Microscope:

Technical Specifications of the lasers:

1. Blue Laser 488nm for existing Confocal Microscope

Central Wavelength (nm)	488 +/-5
Power (mW)	100
Spectral bandwidth (FWHM)	<1.5 nm
Spatial mode (TEM00)	M2 < 1.2
Beam symmetry	> 0.90:1
Beam diameter at aperture (μm)	700 +/-100
Beam divergence (full angle, mrad)	<1.3
Noise, 250 Hz- 2 MHz (rms)	<0.2%
Power stability over 8 hours	<1%
Polarization ratio (vertical)	>100:1
Warranty	24 months, unlimited hours

2. Red Laser 633nm for existing Confocal Microscope

Central Wavelength (nm)	633+/-5
Power (mW)	80
Spectral bandwidth (FWHM)	<1.2 nm
Spatial mode (TEM00)	M2 < 1.2
Beam symmetry	> 0.90:1
Beam diameter at aperture (μm)	700 +/-100
Beam divergence (full angle, mrad)	<1.6
Noise, 250 Hz- 2 MHz (rms)	<0.2%
Power stability over 8 hours	<1%
Polarization ratio (vertical)	>100:1
Warranty	24 months or 5000 hours

3.Red Laser 638nm for existing Confocal Microscope

Central Wavelength (nm)	638+/-5
Power (mW)	180
Spectral bandwidth (FWHM)	<1.2 nm
Spatial mode (TEM00)	M2 < 1.2
Beam symmetry	> 0.90:1
Beam diameter at aperture (μm)	700 +/-100
Beam divergence (full angle, mrad)	<1.6
Noise, 250 Hz- 2 MHz (rms)	<0.2%
Power stability over 8 hours	<1%
Polarization ratio (vertical)	>100:1
Warranty	24 months or 5000 hours