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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | Image: **ppkR-mCard-40x CB z4 633 0.5p** |  | | Size: **524.29 KB** |  | | File Location: **D:\02C盘\桌面\Experiment001.lif** |  | | Start Time: **9/27/2015 12:06:23 AM.620** |  | | End Time: **9/27/2015 12:06:23 AM.620** |  | | Total Exposures: **2 (2 channels, 1 frames)** |  | | Data from: **LAS-AF 3.3.0.10134** |  | | [Leica Microsystems Heidelberg GmbH](http://www.confocal-microscopy.com/) | |  | |

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| **Dimensions** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Dimension** | **Logical Size** | **Physical Length** | **Physical Origin** | **Pixel Size / Voxel Size** | | X | 512 | 72.66 µm | 0.00 µm | 0.142 µm | | Y | 512 | 72.66 µm | 0.00 µm | 0.142 µm | |

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| **Channels** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **LUT** | | **Resolution** | **Min** | **Max** | **STED: DetectorMode / Huygens saturation factor / Wavelength** | | Red |  | 8 | 0 | 255 | --- / --- / --- | | Green |  | 8 | 0 | 255 | --- / --- / --- | |

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| **Time Stamps:** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | **Frame   (**[**Show All**](javascript:Show())**)** | **Relative Time (s)** | **Absolute Time (h:m:s.ms)** | **Date** | | 1 | 0 | 12:06:23 AM.620 | 9/27/2015 | | 2 | 0 | 12:06:23 AM.620 | 9/27/2015 | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | **Frame   (**[**Show first + last**](javascript:Show())**)** | **Relative Time** | **Absolute Time** | **Date** | | 1 | 0 | 12:06:23 AM.620 | 9/27/2015 | | 2 | 0 | 12:06:23 AM.620 | 9/27/2015 | |

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| **Confocal Settings** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Name** | **Value** | | Scan Mode | xyz | | Scan Direction X | Bidirectional | | Scan Speed | 600 Hz | | Version Number | 6 | | StagePosX | 15205.0 µm | | StagePosY | 7973.1 µm | | ZPosition | 9.2 µm | | IsSuperZ | 0 | | Magnification | 40 | | ObjectiveName | HC PL APO CS2 40x/1.30 OIL | | Immersion | OIL | | NumericalAperture | 1.30 | | RefractionIndex | 1.518 | | Zoom | 4.00 | | Pinhole | 130.6 µm | | PinholeAiry | 2.00 AU | | EmissionWavelength for PinholeAiry Calculation | 580.0 nm | | FrameAverage | 1 | | LineAverage | 2 | | FrameAccumulation | 1 | | Line\_Accumulation | 1 | | IsUserSettingNameSet | 0 | | IsRoiScanEnable | 0 | |
| Filter Wheels / Other Motorized Devices   |  |  | | --- | --- | | **Device Name** | **Filter Name/Position** | | Excitation Beam Splitter | TD 488/561/633 | | Galvo Slider | Galvo X Normal | | Notch FW 2 | Empty | | Polarization FW | NF 488/561/633 | | Galvo Resonant Pan | Galvo X Pan Center | | Simple Beam Expander | No FRAP Booster | | Target Slider | Target Park | | X2 Lens Changer | CS2 UV Optics 1 | |
| Laser Lines   |  |  | | --- | --- | | **Laser Line** | **Intensity** | | UV ( 405 nm) | Shutter: off, Intensity: 0.0000% | | Visible ( 458 nm) | Shutter: on, Intensity: 0.0000% | | Visible ( 488 nm) | Shutter: on, Intensity: 0.0000% | | Visible ( 514 nm) | Shutter: on, Intensity: 0.0000% | | Visible ( 561 nm) | Shutter: on, Intensity: 0.1001% | | Visible ( 633 nm) | Shutter: on, Intensity: 0.0000% | |
| Detectors   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Name** | **Channel** | **Type** | **Location** | **Active** | **Gain** | **Offset** | **Gate Start** | **Gate End** | **Gate Ref. Wavelength** | | PMT 1 | Channel 1 | PMT (380nm - 391nm) | Internal | Inactive | 0.0 | 0.00 | -- Time Gating not supported -- | | | | HyD 2 | Channel 2 | HyD (566nm - 601nm)  Standard mode | Internal | Inactive | 15.0 | -0.01 | -- Time Gating not supported -- | | | | PMT 3 | Channel 3 | PMT (621nm - 626nm) | Internal | Inactive | 0.0 | 0.00 | -- Time Gating not supported -- | | | | HyD 4 | Channel 4 | HyD (640nm - 700nm)  Standard mode | Internal | Active | 50.0 | -0.01 | -- Time Gating not supported -- | | | | PMT 5 | Channel 5 | PMT (737nm - 779nm) | Internal | Inactive | 0.0 | 0.00 | -- Time Gating not supported -- | | | | PMT Trans | Transmission Channel | PMT | TLD | Inactive | 0.0 | 0.00 | -- Time Gating not supported -- | | | |
| Lasers   |  |  | | --- | --- | | **LaserName** | **OutputPower** | | **405 Diode** | **Off** | | **Argon** | **0 %** | | **DPSS 561** | **On** | | **HeNe 633** | **On** | |

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| **Sequential Setting Nr.1** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | PMT | Inactive, Gain: 0, Offset: 0 | | HyD | Active, Gain: 0, Offset: 0 | | PMT | Inactive, Gain: 0, Offset: 0 | | HyD | Inactive, Gain: 0, Offset: 0 | | PMT | Inactive, Gain: 0, Offset: 0 | | PMT | Inactive, Gain: 0, Offset: 0 | | Laser Line UV ( 405 nm) | Intensity: 0.0000% | | Laser Line Visible ( 458 nm) | Intensity: 0.0000% | | Laser Line Visible ( 488 nm) | Intensity: 0.0000% | | Laser Line Visible ( 514 nm) | Intensity: 0.0000% | | Laser Line Visible ( 561 nm) | Intensity: 0.1001% | | Laser Line Visible ( 633 nm) | Intensity: 0.0000% | |

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| **Sequential Setting Nr.2** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  | | --- | --- | | PMT | Inactive, Gain: 0, Offset: 0 | | HyD | Inactive, Gain: 0, Offset: 0 | | PMT | Inactive, Gain: 0, Offset: 0 | | HyD | Active, Gain: 0, Offset: 0 | | PMT | Inactive, Gain: 0, Offset: 0 | | PMT | Inactive, Gain: 0, Offset: 0 | | Laser Line UV ( 405 nm) | Intensity: 0.0000% | | Laser Line Visible ( 458 nm) | Intensity: 0.0000% | | Laser Line Visible ( 488 nm) | Intensity: 0.0000% | | Laser Line Visible ( 514 nm) | Intensity: 0.0000% | | Laser Line Visible ( 561 nm) | Intensity: 0.0000% | | Laser Line Visible ( 633 nm) | Intensity: 0.4999% | |