

Specifications Solamere Spinning disk confocal microscope

STAND: DMIRE2 inverted microscope

OBJECTIVES

- HC PL APO CS 10x/0,30 dry 11 mm.
- HC PL APO CS 20x/0,70 oil glyc 0,17mm -0,26mm
- HCX PL APO CS 40x/1,25 oil 0,1mm
- HCX APO 40x/0,8 water 3,3 mm
- HCX PL APO 63x/1,3 glycerin 0,1mm

EXCITATION LINES

- Ar 457nm, 476nm, 488nm, 514nm: 140mW max.
- Kr 568nm, 647nm 90mW max

DETECTION

Yokogawa Confocal Scanner Unit CSU10

- First disk, 20.000 microlenses second disk 20.000 pinholes 1000 focused spots 1000 revs/min
- 12 frames/rotation
- Stanford Photonics XR/Mega-10 I (intensified) -CCD camera
- 1024x1024 pixels
- baseline frame rate 30FPS full frame/ 90FPS 4x4 binning
- pixelsize 6.45 um square

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STAGE / INCUBATION

- Temp, CO2 controlled environment
- Stage computer controlled

SOFTWARE

- InVivo acquisition software. Incl. Timelapse, 3D, position based recording

