

Specifications Leica TCS SP2 A OBS.

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 PL APO 63x/1,4 oil 0,1mm

EXCITATION LINES

- Ar with four 457-477: 5 mW and 488, 514nm: 20 mW
- HeNe with one 543 nm. 1.2 mW
- HeNe with one 633 nm. 10 mW

DETECTION

- Spectral Confocal Module based on prism with high sensitivity multiband detection system.
- Three confocal detection channels for reflection and fluorescence with tunable band-width and central wavelength in continuous and independent form for each channel.
- One detection channel for transmitted light. (DIC)
- Maximum scanning resolution of 4096 x 4096 pixels with a dynamic range of 12 bits per channel.

STAGE / INCUBATION

- No incubation
- Stage joystick controlled

SOFTWARE

- Software for image tridimensional processing.
- Software for 2D and 3D colocalization analysis.
- Software for performance of physiological measures.
- Software for FRET.
- Software for FRAP.
- Software for spectral separation.

