

Designation	Inverted CLSM
Manufacturer	Leica
Model	DMI6000 TCS SP5
Specifications	Confocal mode or FLIM or 2P excitation
Objectives	10x/0.4 dry, 20x/0.7 multi-immersion, 40x/1.25-0.75 oil, 63x/1.4-0.6 oil
Laser	405 nm, Argon (458, 476, 488, 496, 514 nm), 561 nm, 633 nm + IR laser
Stage	Motorized stage X, Y and Z + galvanométric Z-stage for precise and fast z-stack acquisitions
Scanner Tandem	1 standard scanner (10 Hz to 1800 Hz) + 1 resonant scanner (8000 Hz)
Detectors	4 internal PMT which 1 hybrid detectors, 2 PMT NDD, 1 PMT trans
Applications	Acquisitions on cultured cells or thick tissues, fixed or alive, in fluorescence, in confocal mode (up to 100 μm of thickness) or in 2-photon mode ($> 100 \mu\text{m}$) Acquisitions on material (in reflection mode)
Acquisition Modes	Confocal acquisitions in transmission (brightfield or DIC), fluorescence (colocalisation, 3D reconstruction) 2-photon mode Spectral acquisition (at excitation and emission) Acquisition in reflection Acquisition of mosaics of images 2D or 3D
General Informations	Coherent Chameleon Ultra: tunable between 680 and 1080 nm