

LEICA SP8 NEAR SUPER-RESOLUTION LASER SCANNING CONFOCAL MICROSCOPE with Lightning deconvolution technology

External light source for fluorescence excitation
Leica EL6000

LASERS: Solid State

405nm
488 nm
548 nm
638 nm

Spectral Viewing System

Detectors:

3 Photomultipliers (PMT)
2 Hybrid Detectors (HyD)

Regulated Environment Chamber:

Temperature, CO2, Humidity
FRAP/FRET Capabilities

Motorized Stage:

Piezoelectric stage
Navigator view
Tiles & Position Capabilities

LENSES:

Magnification	NA	WD (mm)	Coverslip thickness (mm)	Brightfield	DIC Contrast	Lens
10x	0.4	5.6	0.17	Yes	Yes	HC Plan APOCHROMAT CS2
20x	0.75	0.21	0.17	Yes	Yes	HC Plan APOCHROMAT CS2
40x oil	1.3	1.3	0.17	Yes	Yes	HC Plan APOCHROMAT CS2
63x oil	1.4	1.4	0.17	Yes	Yes	HC Plan APOCHROMAT CS2
100x oil	1.4	1.46	0.17	Yes	Yes	HC Plan APOCHROMAT CS2

BRIGHTFIELD/REFLECTORS:

Transmitted BF/DIC/POL	DAPI
FLUO-DIC	DAPI/FITC/TXRED
	GFP
	RHOD_LP

SOFTWARE:

3D for LASX
Physiology/ Time Series LASX
Lightning Deconvolution software