Leica SP8 Confocal Microscope (System B)
Specifications

Items			
Objectives	• 5X/ 0.15 DRY • 10X/ 0.4 DRY • 20X/ 0.75 DRY • 40X/ 0.6 DRY • 40X/ 1.3 OIL • 63X/ 1.4 OIL		
Lasers	• 405 nm • 488 nm • 514 nm • 552 nm • 638 nm		
Filter Sets	DAPI	Ex: BP340 - 380	Em: LP425
	FITC	Ex: BP450 - 490	Em: LP515
	Texas Red	Ex: BP515 - 560	Em: LP590
	Transmitted light		
Camera	• 2x HyD Sp GaAsP detectors • 2x PMT • 1x Transmitted PMT		
Incubation System	• TBA		
Scanner	Motorized, conventional XY scanner - Max. resolution: 8192 x 8192 pixels - Max. speed: 7 fps @ 512 x 512 pixels/ 54 fps @ 512 x 16 pixels		
	Super Z Galvo stage - Min. step size: 3 nm		
Sample Insert	• 1x Slide • 1x Petri Dish 35 mm • 1x Slide (incubation chamber) • 1x Petri Dish 35 mm (incubation chamber)		

Software	LAS X SP8 Control Software • Multi-dimensional data acquisition • Region of interest scan • Emission spectrum recording • Quantification tools • Multi-colour restoration, spectral unmixing • Multi-position scan • Time lapse scan • Tile scan and spiral scan • FRET • FRAP