

Leica STED TCS SP5 II Confocal Laser Scanning Microscope
Specifications

Item		
Objectives	<ul style="list-style-type: none"> • 10X/0.4 • 20X/0.7 • 40X/1.25 OIL • 63X/1.4 OIL 	
Lasers	<ul style="list-style-type: none"> • 442 nm • 458 nm • 476 nm • 488 nm • 514 nm • 561 nm • 594 nm • 633 nm • STED laser • Multi-photon laser 680 - 1080 nm 	
Filter Sets	DAPI	Ex: BP340 - 380
	FITC	Ex: BP450 - 490
	Texas Red	Ex: BP515 - 560
	Transmitted light	
Detectors	<ul style="list-style-type: none"> • 5x PMTs • 4x NDDs • 1x Transmitted PMT 	
Incubation System	<p>Tokaihit temperature & CO2 module</p> <ul style="list-style-type: none"> • CO2 concentration adjustable between 1-8% • Precision +/- 0.1% • Temperature adjustable between 28 - 50 °C • Accuracy +/- 0.1% 	
Stage	Motorized stage	
Scanner	<p>Motorized, conventional XY scanner</p> <ul style="list-style-type: none"> • Max. resolution: 8192 x 8192 pixels • Max. speed: 5 fps @ 512 x 512 pixels/ 50 fps @ 512 x 16 pixels 	
	<p>Resonant scanner</p> <ul style="list-style-type: none"> • Max. resolution: 1024 x 1024 pixels • Max. speed: 28 fps @ 512 x 512 pixels/ 290 fps @ 512 x 16 pixels 	

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Sample Insert	<ul style="list-style-type: none">• 1x Slide• 1x Petri Dish 35mm• Multichamber 1536, 384, 96• 1x Slide (incubation chamber)• 1x Petri Dish 35 mm (incubation chamber)
Software	LAS AF <ul style="list-style-type: none">• Deconvolution• 3D Visualization• Live Data Mode• MicroLab