

Zeiss LSM7 DUO (710+LIVE) Confocal Microscope
Specifications

Item	
Objectives	<ul style="list-style-type: none"> • 5X/ 0.16 • 10X/ 0.3 • LD20X/ 0.4 • 40X/ 1.3 OIL • 63X/ 1.4 OIL
Lasers	<ul style="list-style-type: none"> • 405nm • 458nm • 488nm • 560nm • 633nm • 488nm (LIVE Scan) • 561nm (LIVE Scan)
Filter Sets	<ul style="list-style-type: none"> • DAPI • GFP • CFP • YFP • mRFP • Cy3 • Cy5
Detector	<ul style="list-style-type: none"> • 2x PMTs • 1x 34 simultaneous confocal fluorescence channels • 1 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%
Scanner	<p>LSM 710</p> <ul style="list-style-type: none"> • Up to 5 fps @512 x 512 pixels
	<p>LSM 5 Live</p> <ul style="list-style-type: none"> • Up to 120 fps @512 x 512 pixels
Sample Insert	<ul style="list-style-type: none"> • 1x Slide • 1x Petri Dish 35 mm • Multichamber 1536, 384, 96 • 1x Slide (incubation chamber) • 1x Petri Dish 35 mm (incubation chamber)

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Software	<p>ZEN</p> <ul style="list-style-type: none">• Multi-dimensional data acquisition• Region of interest scan• Emission spectrum recording (Lambda scan)• Quantification tools• Multi-colour restoration, spectral unmixing• Multi-position scan• Time lapse scan• Tile scan and spiral scan• FRAP• FRET
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