

Zeiss LSM 980 Confocal Microscope with AiryScan 2
Specifications

Item	
Objectives	<ul style="list-style-type: none"> • 2.5X/ 0.085 • 5X/ 0.16 • 10X/ 0.45 • 20X/ 0.8 • 40X oil/ 1.4 DIC • 63X/ 1.4 calibrated for Airy Scan
Lasers	<ul style="list-style-type: none"> • 405 Diode, 30mW • 445 Diode, 30mW • 488 Diode, 30mW • 514 Diode, 30mW • 561 DPSS, 25mW • 594 DPSS, 8mW • 639 Diode, 25mW
Fluorescence Unit	<p>LED light source:</p> <ul style="list-style-type: none"> • UV, 385nm • Blue, 475nm • Green, 555nm • Red, 630nm
Detectors	<ul style="list-style-type: none"> • 2x PMTs • 1x Confocal GaAsP • 1x Airyscan GaAsP • 1x T-PMT
Incubation System	<ul style="list-style-type: none"> • Temperature adjustable between 28 - 50°C (Accuracy +/- 0.1°C) • CO2 at 5% • Humidity control
Scanner Performance	<p>Max. FPS @ 512x512, max resolution X/Y/Z nm:</p> <ul style="list-style-type: none"> • Confocal: 6.1 FPS, 200/200/500 • Airyscan SR: 4.7 FPS, 120/120/350 • Multiplex SR-4Y: 25 FPS, 140/140/450 • Multiplex SR-8Y: 47.5 FPS, 120/160/450 • Multiplex CO-8Y: 9.6 FPS, confocal or better
Sample Insert	<ul style="list-style-type: none"> • 1x Slide • 1x Petri Dish 35 mm • 1x Petri Dish 60 mm

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Software	ZEN 3.1 (includes Sample Navigator, ZEN Connect and Experiment Designer)
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