

Zeiss Celldiscoverer 7 Automated Microscope
Specifications

Item		
Objectives	<ul style="list-style-type: none"> • 50X Plan Apo, water, autocorrect, autoimmersion, NA 1.2 • 20X Plan Apo, dry, autocorrect, NA 0.95 • 20X Plan Apo, dry, autocorrect, NA 0.7 • 5X Plan Apo, dry, autocorrect, NA 0.35 with afocal magnification changer: 0.5x / 1x/ 2x **Autocorrection only for cover glass/cycloolefin bottom thickness 0.13 - 0.21mm and polystyrol bottom thickness 0.15 - 0.21 mm **0.15 - 0.21 mm thick 96-well plastic plates can be checked-out from BioCRF	
LEDs for Fluorescence Excitation	385/ 420/ 470/ 520/ 567/ 590/ 625 nm	
Filter Sets	92 HE	<ul style="list-style-type: none"> • RTBS 405 + 493 + 610 • EM TBP 425/30 + 524/50 + 688/145
	91 HE	<ul style="list-style-type: none"> • RTBS 450 + 538 + 610 • EM TBP 467/24 + 555/25 + 687/145
	90 HE	<ul style="list-style-type: none"> • RBQS 405 + 493 + 575 + 653 • EM QBP 425/30 + 514/30 + 592/25 + 709/100
Camera	<ol style="list-style-type: none"> 1. Axiocam 506 mono, 512X512 pixels 2. Orca Flash 4.0 v3, 2KX2K pixels 	
Incubation System	CO2 Module S1 <ul style="list-style-type: none"> • CO2 concentration adjustable between 1-8% • Precision +/- 0.1% 	

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	TempModule S1 <ul style="list-style-type: none"> • Temperature adjustable between 28 – 45 °C • Accuracy +/- 0.1%
Stage	Scanning stage 300x140 mm
Sample Insert	<ul style="list-style-type: none"> • 1x Petri Dish 35 mm • 2x Chamber 2x - Short • 2x Slide - Long • 2x Slide - Short • Multichamber 1536, 384, 96 • 1x Petri Dish 60 mm • 2x Chamber 4x - Short • 2x Chamber 8x - Short • 6x Petri Dish 35 mm • Multiwell 12, 1536, 24, 384, 48, 6, 96
Software	ZEN Blue 2.5 - includes the following modules: <ul style="list-style-type: none"> • Deconvolution • 3Dxl • Intellisis