

Zeiss Celldiscoverer 7 Automated Microscope
Specifications

Item			
Objectives	• 5X Fluar, dry, NA 0.25 • 10X Plan Apo, dry, NA 0.45 • 20X Plan Apo, dry, NA 0.8 • 40X Plan Apo, dry, NA 0.95		
Illumination	Transmitted light	LED (wavelength 400 to 700nm, maximum at 460nm)	
	Fluorescence	365nm, 385nm, 420 nm, 445nm, 455nm, 470nm, 505nm, 530nm, 590nm, 615nm, 625nm or neutral white: 540 - 580 nm, HXP 120 V	
Filter Sets	6-position high-speed excitation/ beamsplitter/ emission		
	38 shift free	• HE • eGFP	
	43 shift free	• HE • Cy3	
	49 shift free	• DAPI	
	50 shift free	• Cy5	
Camera	1. Hitachi HV-F203SCL (brightfield) 2. Hamamatsu Orca Flash 4.0 v3 (fluorescence)		
Magazine	Capacity	• 100 slides (26mm x 76mm) • 12 slides (52mm x 76mm)	
	Tray	• For 4 slides (26mm x 76mm) • For 2 slides (52mm x 76mm)	
Usable Slides	26mm x 76mm	Length	73.5mm – 76.5mm
		Width	24mm – 26mm
		Thickness	0.8mm – 1.3mm
	52mm x 76mm	Length	73.5mm – 76.5mm
		Width	24mm – 26mm
		Thickness	0.8mm – 1.3mm
Software	ZEN 2.6		