

WiScan Hermes High Content Imaging System Specification

Microscope	Instrument type	High content imaging system based on widefield epifluorescence microscope
	Illumination	7 fluorescent LEDs; 1 transmission white LED
	Excitation	7 excitation LEDs (filters: 390/22 nm, 438/29 nm, 485/25 nm, 510/25 nm, 560/32 nm, 575/35 nm, 648/20 nm)
	Emission	7 emission filters (440/40 nm, 482/35 nm, 525/30 nm, 542/27 nm, 607/36 nm, 624/40 nm, 694/44 nm)
	Autofocus	Laser-based autofocus
	Camera	4 High sensitivity CCD camera 1.3MPixel
	Objectives	<ul style="list-style-type: none"> • 4X Air, 0.16 NA, WD 13000μm • 10X Air, 0.4 NA, WD 3100μm • 20X Air, 0.8 NA, WD 600μm • 40X Air, 0.9 NA, WD 200μm • 60X Oil, 1.42 NA, WD 150μm, with automated oil dispensing unit
	Accessories	Environment control module for live cell imaging; plate stacker for up to 20 multi-well plates
Automated Loading System	Automated plate stacker and manipulator arm for automated loading & scanning of up to 20 multi-well plates.	
Software	WiScan® Hermes (Acquisition); WiSoft® Athena (Analysis)	
Sample Carrier	6-1536 well plates; slides, microarrays, 35 mm dish	