

ELISA Microplate Readers & Washers



✉ cs@irisanalytical.com

☎ +1 706 760 4500

🌐 www.irisanalytical.com

Microplate Reader IMR-500 Series CE & ISO Certified models for detection technology with 8-channel manifolds as standard accessories for use with standard 96, and 48 wells plates. Covers the full wavelength range 400 to 850 nm and measured as quickly as 6 second per well, which is significantly faster than other current microplate reader methods. Temperature incubation, multiple shaking, well scan and reagent injectors make the IMR-500 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored up to 500 programs and 10,000,000 test records in a single unit. Maintain all important measuring parameters including quality and quantity curve fit, blank substration, endpoint, kinetic calculation and data evolution function. A multi-mode reader has several benefits for laboratories applications ranging from ELISAs to nucleic acid and protein quantitation to cell imaging. Together with multiple microplate services and detection modes into a single, more versatile unit may be an ideal choice especially if you have limited area and perform 12 to 20 assays in a single plates.

- An 8-channel manifolds is supplied as standard for use with standard 96, and 48 wells
- Single or dual wavelength measurements, comprehensive quality and quantity curve fit, blank substration, endpoint, kinetic calculation and data evolution function
- Available with multiple optical filters with wavelength of 405 nm, 450 nm, 492 nm, and 630 nm as standard accessories and 4 other optional filters
- Build in LCD and LED display with touch screen to set time and speed along with using an advanced monochromatic system
- Can perform 12 to 20 assay in a single plate
- Triple shaking modes for comprehensive mixing of solution and reproducible outcome
- Designed with read time that should not exceed beyond 6 seconds for both the wavelength
- Ideal for immune assay, nucleic acid and macromolecules analysis
- Used to measure high speed absorbance
- Simultaneous dual emission and injectors
- Stand-alone instrument
- Tungsten halogen lamp light sources along with silicon photoelectric detector
- Build in thermal printer as an standard accessories
- The interface connection for this series are available with 2(USB-A1), 2(USB-B1), RS232, Printer, DVI, VGA, LAN, USB-A, USB-B, USB-C, AUDIO, RS232 an optional accessories

Model	IMR-510		IMR-520		IMR-530	
Wavelength Range	400 to 850 nm				400 to 800 nm	
Optical Path			8- channel			
Accuracy			±0.008 A			
Reproducibility			±0.2%			
Resolution			0.001 A			
Light Source			Tungsten halogen lamp(8V/50W)			
Optical filter			405,450,492,630 nm and 4 optional			
Plate Types			48 and 96-well plate			
Function			Detect single, dual wavelength measurement			
Stability			±0.003 A			
Reading range			0 to 4 A			
Detector			Silicon photodetector			
Shaking			Linear Shaking mode, 3 speeds			
Test Performance	12 different test in single plate				20 different test in single plate	
Display			LCD		LED	
Printer					Thermal printer and external printer	
Applications			quantitative or qualitative detection, Cut-off qualitative calculation, curve fit, transformation formula			
Other Features						
Certification			CE and ISO			
Storage	500 test items and 10,000,000 test data		500 test items and 200,000 test data		500 test items and 20 million test data	
Interface	USB		2(USB-A1), 2(USB-B1), RS232, Printer		DVI, VGA, LAN, USB-A, USB-B, USB-C, AUDIO, RS232	
Dimensions	460x350x194 mm		475x350x210 mm		460x350x197 mm	
Weight	7 kg		11. 5 kg		8 kg	
Electrical Requirement	100V/50Hz	240V/60Hz	100V/50Hz	240V/60Hz	100V/50Hz	240V/60Hz
Catalogue No.	420050501	420050502	420051001	420051002	420051501	420051501

