

Microplate Reader IMR-520(100V/50Hz)



Microplate Reader IMR-520 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 800 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-520 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.

Technical Specification:

Model	IMR-520
Wavelength Range	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
Detector	Silicon photodetector
Test Performance	12 different test in single plate
Display	LCD
Certification	CE and ISO
Storage	500 test items and 200,000 test data
Interface	2(USB-A1), 2(USB-B1), RS232, Printer
Dimensions	475x350x210 mm
Weight	11. 5 kg
Electrical Requirement	100V/50Hz
Catalogue No.	420051001

Technical Data:

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



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