IRIS ANALYTICAL

ELISA Microplate Readers & Washers

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All instruments are multimode with user configurable applications of microplate products for Life Sciences, Biotechnology, Research and Development. Feature various detection modes, touchscreens, latest data acquisition, and data analysis tools. Deal with exclusive microplate systems, accessories, sealing mats and films including aluminum heating sealing film, 96-well multi-tier plate for additional effective heat transfer.

The microplate instruments are available in a different kinds. The most common are:

- Microplate Reader
- Microplate Washers
- Microplate Sealers

Microplate Reader

Iris Microplate Reader is a modular, upgradeable single and dual monochromator microplate reader, offering a wide range of high-performance multi-mode capabilities ideal for DNA/RNA analysis; protein quantitative analysis, support UV absorption, Bradford, Lowry, and other methods; endpoint method ELISA / EIA, with a variety of fitting curves for analysis. Our most flexible multi-mode plate reader equipped with our monochromators filters, and UV spectrophotometer. A multi-mode reader has several benefits for laboratory 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.

Microplate Reader IMR-500 Series

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 10,000000 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

Microplate Workstation

Iris Microplate Workstation is especially designed for widest possible range of applications including life science research work mainly used in DNA/RNA analysis; protein quantitative analysis where they often loaded automatically by fluid dispensing mechanical systems.With wide choice of washing options and programs providing options and have flexible microplate washer for 96 well plates.

Microplate Workstation IPW-4000 Series

Microplate Workstation IPW-4000 Seriesis used as ultraviolet-visible spectrophotometer. Covers the full wavelength range 190 to 1000 nmand measured as quickly as 6 second per well, which is significantly faster than other current microplate reader methods. Designed for the widest possible range of applications including life science research work mainly used in DNA/RNA analysis; protein quantitative analysis, support UV absorption, Bradford, Lowry and other methods; end point method ELISA / EIA, with a variety of fitting curves for analysis; MTT (IC50/LD50) analysis; cell proliferation and cytotoxicity tests; protease and kinase, phospholipase, NADH, GST activity test; endotoxin LAL analysis. Provide excellent sensitivity and wide dynamic range, so you can detect G protein coupled receptor, reporting gene and total antioxidant capacity test. The IMR-4000 can calculate quantitative, qualitative detection, absorbance mode, cut-off qualitative calculation, linear regression, exponential regression, logistic regression function mode. Suitable for kinetic ELISA or enzymatic analysis under kinetic analysis mode. The liquid handling and dispensing skill along with software with IQ/OQ/PQ and FDA 21 CFR Part 11 certification compilation; and in line with GMP or GLP supplies for pharmaceutical plant analysis control optimal washing performance and ease of use and the readers deliver all access pass for advance research.

- The liquid handling and dispensing capability along with software complies with IQ/OQ/PQ and FDA 21 CFR Part 11 certification; and in line with GMP or GLP supplies
- Built-in grating monochromator, the wavelength range is 190-1000nm
- Wavelength accuracy can reach ±1nm, the wavelength repeatability can reach 0.2nm
- Single wavelength, dual wavelength and full wavelength detection functions
- With kinetic analysis mode, kinetic ELISA/enzymatic analysis
- With temperature control incubation system, the temperature can reach 65 ° C, adapt to high temperature test
- With microplate oscillating mixing function, no need to use external shaker
- Flashing xenon lamp source, long life and stable illumination
- Sample detection detector and reference detector, accurate detection
- Light absorption detection board can be used for calibration and calibration of the equipment
- Powerful data analysis software, microplate analysis workstation
- An audit trail function to facilitate data traceability and management
- Provide sample and operator management functions to facilitate instrument management
- Provide instrument parameter setting and instrument self-test function, highly automated
- USB data interface to facilitate instrument control and data transmission
- software complies with IQ/OQ/PQ and FDA 21 CFR Part 11 certification
- Trace quartz glass plate to accurately detect the absorbance, concentration and purity of nucleic acids and proteins
- Self-washing function, no additional washing machine
- Model IPW-4000S comes with Micro spectrophotometer detection function
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Microplate Reader IMR-1000

Microplate Reader IMR-1000 is a benchtop microplate reader**.** Equipped with 8-channel manifolds as standard accessories for use with standard 96, and 384 wells plates. Covers the full wavelength range 340 to 750 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-1000 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored up to 200 programs and 100,000 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 specially if you have limited area.

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- An 8-channel manifolds is supplied as standard for use with standard 96, and 384 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
- Build in 7- inch display with touch screen to set time and speed along with using an advanced monochromatic system
- 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
- Quartz-halogen lamp light sources along with 2 silicon photoelectric detector, 1 for measurement, 2 for reference
- The interface connection for this model are available with 3 USB ports, for PC, printer and USB-disk as an optional accessories
- Designed with comprehensive powerful APP software, PC software Reader It-II to review and analyse the data as an optional accessories

Accessories

- Optical filter 340nm (Matching)
- Optical filter 380nm (Standard)
- Optical filter 405nm (First Matching)
- Optical filter 415nm (Standard)
- Optical filter 450nm (Standard)
- Optical filter 492nm (Matching)
- Optical filter 540nm
- Optical filter 570nm
- Optical filter 578nm
- Optical filter 590nm
- Optical filter 595nm
- Optical filter 630nm (Standard)
- Optical filter 650nm
- Optical filter 690nm
- Halogen lamp

- Thermal printer
- Thermal paper

Model	IMR-1000
Wavelength	340 to 750 nm
Light source	Quartz-halogen lamp
Optical filter	405,450,492,630 nm
Resolution	0.001 Abs
Display	7 inch touch screen (800x480 dots)
Half-bandwidth of filters	3 to 9 nm
Detector	2 silicon photoelectric detector
Test speed	<6s for 96 wells plate
Shaking	3 modes shaking: slow, medium and fast
Linearity @450nm	0 to 2.000Abs ?±1% 2 to 4.000Abs ?±2%
Accuracy @450nm	±1% (0 to 3Abs) ±2% (3 to 4Abs)
Precision @450nm	CV?0.2% (0 to 3Abs) CV?1.0% (3 to 4Abs)
Incubator	No
Storage	200 programs and 100,000 test records
Ports	3 USB ports, for PC, printer and USB-disk
Interface	Integrated software or PC control software
Power Consumption	10 W
Dimensions	440 x 295 x 225 mm
Weight	10 kg
Electrical Requirement	6V
Catalogue No.	4201005-04

Microplate Reader IMR-2000

Microplate Reader IMR-2000 important components and powerful microplate ELISA reader with standard accessories 96, and 384 wells plates. Covers the full wavelength range 200 to 1000 nm and measured as quickly as 6 second per well, which is significantly faster than other current microplate reader methods and different liquid lines can be used allowing flexible configurations including 3 washer of 2.5L washing bottle and 1 pcs 2.5L waste bottle different wash solutions . Temperature incubation, multiple shaking, well scan and reagent injectors make the IMR-2000 the best platform for screening of photometric research and clinical applications. Can stored up to 16G or less 10,000 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.

- An 8-channel manifolds is supplied as standard for use with standard 96, and 384 wells
- Up to different liquid lines can be used allowing flexible configurations including 3 washer of 2.5L washing bottle and 1 pcs 2.5L waste bottle different wash solutions
- 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
- Build in 10-inch display with touch screen to set time and speed along with using an advanced monochromatic system
- 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
- Quartz-halogen lamp light sources along with 2 silicon photoelectric detector, 1 for measurement, 2 for reference
- The interface connection for this model are available with 3 USB ports, for PC, printer and USB-disk as an optional accessories
- Designed with comprehensive powerful APP software, PC software ReaderIt-II to review and analyse the data as an optional accessories

Accessories

- ReaderIt-II Software
- Printer
- Printer Paper

Model	IMR-2000
Wavelength	200 to 1000 nm
Bottle	3 pcs 2.5L washing bottle, 1pcs 2.5L waste bottle
Light source	Quartz-halogen lamp
Optical filter	405,450,492,630 nm
Accuracy	±2 nm
Repetition	±0.2 nm
Display	10 inch touch screen
Read-out range	0 to 4 OD
Wavelength selection	Monochromator
Half-bandwidth of filters	<2.5 nm
Detector	2 silicon photoelectric detector
Test speed	10s with 96-well (fast mode); 30s with 96-well (accurate mode)
Shaking	Linear; 3 options for speed
Linearity @450nm	0 to 2.5 Abs?±2% (96 well plates)
Accuracy @450nm	1.0% + 0.005 Abs (0 to 2.0 Abs)?2.0% [2.0 to 2.5 Abs)
Precision @450nm	CV < 0.5% accurate model?CV < 1.0% fast mode
Incubator	Ambient + 5°C to 45°C
Storage	16G, >10,000 test records stored
Ports	3 USB ports, for PC, printer and USB-disk
Analysis software	Reader-II
Interface	Integrated software or PC control software
Dimensions	300×500×290 mm
Weight	15 kg
Electrical Requirement	DC24V, 6.5A
Catalogue No.	4201505-04

Microplate Reader IMR-3000

Microplate Reader IMR-3000has professional software and 3 vibrational linear plate functions for laboratory application. Standard accessories for use with standard 96, and 384 wells plates. Covers the full wavelength range 400 to 1000 nm and measured as quickly as 6 second per well. Can stored up to 200 groups program and 10000 sample result, more than 10 types of curve fitting equation. Maintain all important measuring parameters including Endpoint method, kinetic method, inhibition rate, single or dual wavelength measurement function. The built-in multi filter wheel make detection of multiple luminescence wavelengths possible.

- Useful function are endpoint method, kinetic method, inhibition rate, single or dual wavelength measurement
- Storage capabilities 200 groups program and 10000 sample result, more than 10 types of curve fitting equation
- Build in LCD touch display with rotating display facilities
- The plate washer is available in a 8-channel version
- Available with multiple optical filters including 10 to 15 filters wheels with wavelength of 405 nm, 450 nm, 492 nm, and 630 nm as standard accessories
- Tungsten halogen lamp light sources
- 3 types of linear vibrational plate
- Professional software available for analysis
- Fully automatic instruments
- Automatic sampling test
- Automatic switch door
- Visualization of panel and panel data
- Good stability and good repeatability, assure accurate results
- Maintenance free with long lasting mode
- The IMR-3600 is suitable for large enzymes assay and manipulator grasping
- The IMR-3800 designed with rotating display and measure central microcap reading, front reading, middle and 3 points readings
- CE and FCC certified

Model	IMR-3200	IMR-3400		IMR-3600		IMR-3800	
Wavelength	400 to 1000 nm	400 to 1000 nm(340 to 1100 nm)				400 to 1000 nm	
Optical Path	8-channels						
Light source	Tungsten Halogen Lamp(22W)						
Optical filter	10 filters(Default configuration 405,450,492,630 nm)	12 filters(Default configuration 405,450,492,630 nm)				15 filters(Default configuration 405,450,492,630 nm)	
Accuracy	?±0.01 Abs						
Repeatability	?0.3%						
Resolution	0.001 Abs						
Display	7-inch LCD	8-inch LCD				Rotating Display 10.4-inch LCD	
Reading Range	0 to 4 Abs					0 to 6 Abs	
Linear Range	0 to 3 Abs					0 to 4 Abs	
Stability	-	?±0.003 Abs					
Vibration Plate	-	3 types of linear plate(adjustable 0 to 4 hours)					
Analysis software	Professional software						
Storage	200 groups program and 10000 sample result, more than 10 types of curve fitting equation						
Function	Endpoint method, kinetic method, inhibition rate, single or dual wavelength measurement						
Interface	Wi-Fi						
Input Power							
Dimensions	400x260x200 mm	444x320x318 mm		444x320x190 mm		444x320x220/400 mm	
Weight	6 kg	11 kg		10 kg		11 kg	
Electrical Requirement	DC12V 5A	AC 100/50 Hz	AC 240/60 Hz	AC 100/50 Hz	AC 240/60 Hz	AC 100/50 Hz	AC 240/60 Hz
Catalogue No.	4202005-04	420201001	420201002	420201501	420201502	420202001	420202002

Microplate Reader IMR-4000

Microplate Reader IMR-4000 is a single mode microplate readers are used for detection technology with 8-channel manifolds as standard accessories for use with standard 96 wells plates. Covers the absorbance range 0 - 4.000Abs with bandwidth <8nm and measured quickly, which is significantly faster than other current microplate reader methods. End Point, fixed time, Kinetic make the IMR-4000 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored up to 100 programs and 100,000 test records in a single unit. Maintain all important measuring parameters including ABS, Cut-Off, Single Standard, Curve, Multi- Percent Log, Linear, Exponential, Power, 4PL Regression. 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 performed 12 assays in a single plate.

- Useful function are End Point, fixed time, Kinetic, single or dual wavelength measurement
- Storage capabilities More than 100 programs, up to 100,000 sample result
- Build in digital display with rotating display facilities
- The plate washer is available in a 8-channel version
- Available with multiple optical filters including of wavelength 405 nm, 450 nm, 492 nm, and 630 nm as standard accessories and 4 other optional filters
- Halogen lamp, 8V/20W light sources
- Professional XP software available for analysis
- Fully automatic instruments
- Automatic sampling test
- Automatic switch door
- Visualization of panel and panel data
- Good stability and good repeatability, assure accurate results
- Maintenance free with long lasting mode

Model	IMR-4000	
Absorbance Range	0 - 4.000Abs	
Test Performance	12 different test in single plate	
Optical Path	8-channel	
Accuracy	±0.5% or ±0.005Abs	
Resolution	0.001Abs (displayed),0.0001Abs(calculated)	
Light Source	Halogen lamp, 8V/20W	
Band width	<8nm	
Optical filter	405, 450, 492, 630nm, (4 other filer are optional)	
Plate Types	Standard with 96-well or other kind of microplate and strip	
Function	End Point, fixed time, Kinetic	
Reading Speed	5 seconds for 96 well plate (single wavelength)	
Printer	All printers compatible with Windows	
Shaking	Shaking time and speed adjustable	
Applications	ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, 4PL Regression	
Storage	More than 100 programs, up to 100,000 test results	
Interface	RS-232, USB	
Dimensions	454×295×146(mm	
Weight	7Kg	
Electrical Requirement	AC110V/50Hz	220V/60Hz
Catalogue No.	420250501	420250502

Microplate Reader IMR-5000

Microplate Reader IMR-5000 comes with OSRAM64255 light sources ideal for applications that require accurate positioning, as in the medical and scientific application. An 8-channel manifolds as standard accessories for use with standard 96 wells plates. Covers the absorbance range 0-3.500A and measured quickly, which is significantly faster than other current microplate reader methods. End Point, fixed time, Kinetic make the IMR-5000 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored up to 100 program, 1000 patient information, 10000 test records in a single unit. Maintain all important measuring parameters including ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, and 4PL Regression. 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 performed 12 assays in a single plate.

- Useful function are End Point, fixed time, Kinetic, single or dual wavelength measurement
- Storage capabilities 100 program, 1000 patient information, 10000 test data
- Build in digital display with rotating display facilities
- The plate washer is available in a 8-channel version
- Available with multiple optical filters including of wavelength 405 nm, 450 nm, 492 nm, and 630 nm as standard accessories and 4 other optional filters
- OSRAM64255, 8V/20W light sources
- Professional software available for analysis
- Fully automatic instruments
- Automatic sampling test
- Automatic switch door
- Visualization of panel and panel data
- Good stability and good repeatability, assure accurate results
- Maintenance free with long lasting mode

Model	IMR-5000	
Absorbance Range	0-3.500A	
Optical Path	0-2.000A	
Measurement Range		
Accuracy	0-2.0A: ±1.0% or ±0.007A	
Resolution	0-2.0A: ±0.5% or ±0.005A	
Linearity	±2.0% or ±0.007A	
Light Source	OSRAM64255, 8V/20W	
Optical filter	405, 450, 492, 630nm (substitute filters from 400-700nm available on special order)	
Display	5.7'' LCD display (320×240 discernibility, 256 gray scale)	
CPU	RISC cpu	
Environment Temperature	0°C-40°C	
Humidity	?85%	
Storage	100 program, 1000 patient information, 10000 test data	
Interface	RS-232C, USB, RJ45, SD interface	
Dimensions	460(×330×190 mm	
Weight	7.5 Kg	
Electrical Requirement	AC110V/50/Hz	220V/60Hz
Catalogue No.	420300501	420300502

Microplate Reader IMR-6000

Microplate Reader IMR-6000 especially designed for QC function with 8-channel manifolds as standard accessories for use with standard 96 wells plates. Covers the absorbance range 0 to 4.000Abs with bandwidth 8 nm and measured quickly, which is significantly faster than other current microplate reader methods. End Point, fixed time, Kinetic make the IMR-6000 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored more than 100 programs, up to 100,000 test records in a single unit. Maintain all important measuring parameters including ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, and 4PL Regression. 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 performed 12 assays in a single plate.

- Useful function are End Point, fixed time, Kinetic, single or dual wavelength measurement
- Storage capabilities More than 100 programs, up to 100,000 test data
- Build in LCD display with rotating display facilities
- The plate washer is available in a 8-channel version
- Available with multiple optical filters including of wavelength 405 nm, 450 nm, 492 nm, and 630 nm as standard accessories and 4 other optional filters
- Halogen Lamp light sources
- Professional software available for analysis
- Fully automatic instruments
- Automatic sampling test
- Automatic switch door
- Visualization of panel and panel data
- Good stability and good repeatability, assure accurate results
- Maintenance free with long lasting mode
- Thermal and external printer

Model	IMR-6000	
Absorbance Range	0 to 4.000Abs	
Test Performance	12 different test in single plate	
Optical Path	8-channel	
Measurement Range	0.000-2.500Abs	
Accuracy	±0.1% or ±0.005Abs	
Resolution	0.001Abs (displayed) , 0.0001Abs (calculated)	
Light Source	Halogen lamp	
Band width	8 nm	
Optical filter	405nm, 450nm, 492nm, 630nm, (4 other filters optional)	
Wavelength Accuracy	±1nm	
Function	QC function: Grubs, Westguard Multi-rule, Levey jennings plot (optional)	
Reading Speed	5 seconds for 96-well plate (single wavelength)	
Printer	Internal thermal printer , external printer optional	
Shaking	Shaking time and speed adjustable	
Display	LCD	
Applications	ABS, %ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear,Exponential, Power, 4PL Regression	
Storage	More than 100 programs, up to 100,000 test results	
Interface	RS-232, USB, SD card interface	
Dimensions	460x330 x200 mm	
Weight	9 kg	
Electrical Requirement	AC100/50 Hz, ± 10%	220V/60Hz, ± 10%
Catalogue No.	420350501	420350502

Microplate Reader IMR-7000

Microplate Reader IMR-7000 is suitable for end-point, fixed-time, kinetic measurement function. An 8-channel manifolds as standard accessories for use with standard 96 wells plates. Covers the absorbance range 0 to 4.000Abs with bandwidth 8±2nm and measured quickly, which is significantly faster than other current microplate reader methods. End Point, fixed time, Kinetic make the IMR-7000 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored up to 100 programs and 10000 test records in a single unit. Maintain all important measuring parameters including ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, and 4PL Regression. 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 performed 12 assays in a single plate.

- Useful function are End Point, fixed time, Kinetic, single or dual wavelength measurement
- Storage capabilities 100 programs and 10000 sample
- Build in 7-inch LCD display with rotating display facilities
- The plate washer is available in a 8-channel version
- Available with multiple optical filters including of wavelength 405 nm, 450 nm, 492 nm, and 630 nm as standard accessories and 4 other optional filters
- Halogen Lamp light sources
- Professional software available for analysis
- Fully automatic instruments
- Automatic sampling test
- Automatic switch door
- Visualization of panel and panel data
- Good stability and good repeatability, assure accurate results
- Maintenance free with long lasting mode

Model	IMR-7000	
Absorbance Range	0 to 4.0000 Abs	
Test Performance	12 different in single plate	
Optical Path	8-channel	
Wavelength Accuracy	±2 nm	
Resolution	0.001Abs (displayed) , 0.0001Abs (calculated)	
Light Source	Halogen lamp 6V/19W	
Band width	8±2 nm	
Optical filter	405nm, 450nm, 492nm, 630nm, (3 filters optional)	
Plate Types	Standard with 96-well or other kind of microplate and strip	
Function	End-point , Fixed-time , Kinetic	
Reading Speed	5 seconds for 96-well plate (single wavelength)	
Shaking	Shaking time and speed adjustable	
Printer	Internal thermal printer , external printer optional	
Display	7-inch LCD	
Applications	ABS, Cut-off , Multi-percent, Percent log, Linear, Exponential, Index, 4PL Regression, etc .	
Certification		
Storage	100 programs and 10000 sample	
Interface	USB port , LAN , SD card slot , RS-232	
Dimensions	425 x310x215 mm	
Weight	12 kg	
Electrical Requirement	AC100-/50Hz,	40V/60Hz
Catalogue No.	420400501	420400502

Microplate Reader IMR-8000

Microplate Reader IMR-8000 provides benefit of a wider range of detection with 8-channel manifolds as standard accessories for use with standard 96 wells plates. Covers the full UV wavelength 340 nm and absorbance range 0 to 4.000Abs with bandwidth <8 nm and measured quickly, which is significantly faster than other current microplate reader methods. End Point, fixed time, Kinetic make the IMR-8000 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored more than 500 programs, up to 100,000test records in a single unit. Maintain all important measuring parameters including ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, and 4PL Regression. 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 performed 12 assays in a single plate.

- Available with UV wavelength 340 nm
- Useful function are End Point, fixed time, Kinetic, single or dual wavelength measurement
- Storage capabilities More than 500 programs, up to 100,000 test result
- Build in LCD display with rotating display facilities
- The plate washer is available in a 8-channel version
- Available with multiple optical filters including of wavelength 405 nm, 450 nm, 492 nm, and 630 nm as standard accessories and 4 other optional filters
- Halogen Lamp light sources
- Professional software available for analysis
- Fully automatic instruments
- Automatic sampling test
- Automatic switch door
- Visualization of panel and panel data
- Good stability and good repeatability, assure accurate results
- Maintenance free with long lasting mode

Model	IMR-8000	
Wavelength	UV wavelength: 340 nm	
Absorbance Range	0 to 4000 Abs	
Test Performance	12 different	
Optical Path	8-channel	
Wavelength Accuracy	±1 nm	
Resolution	0.001 Abs (display), 0.0001 Abs (calculated)	
Light Source	Halogen lamp	
Band width	<8 nm	
Optical filter	340,405,450,492,630nm,(3 filters optional)	
Function	End point, fixed time, Kinetic	
Reading Speed	5 Seconds for 96 well plate (single wavelength)	
Shaking	Shaking time and speed adjustable	
Printer	All printers compatible with windows	
Plate Incubation	AT+4 to 45°C, adjustable	
Applications	ABS, cut-off, single standard, curve, multi-percent, percent log, linear, exponential, power, 4PL regression	
Certification		
Storage	More than 500 programs, up to 100,000 test result	
Interface	RS-232	
Dimensions	186x440x220 mm	
Weight	9 Kg	
Electrical Requirement	AC 110V/50 Hz, ±10%,	240V/60 ±1Hz
Catalogue No.	420450501	420450502

Microplate Washer

Microplate Washersis the best choice to compliment any microplate reader that provides washing capabilities for research ELISA applications. Microplate washers feature with LCD color display with GUI local language versions, and non-pressurized bottles for optimal ease-of-use, convenience, and safety. Protocols for all Microplate Washers are supplied with the instrument. There is also memory for up to 200 groups of coating, washing and sealing programs (preview, delete, call, and support for changing) protocols. Dispensing and aspiration probes are paired to avoid overfilling of well. The plate washer is available in a 1-channel, a 4 -channel version.

Microplate Washers IMW- 500

Microplate Washers IMW- 500is known for their reliability and versatility. Equipped with8 to 12 manifold pins, reduce threat and avoid liquid that drawn into the pump to break the equipment. The IMW-500 comes with different microplate well profile: F-well plate for superb optical properties and are thus this plate is used for optical measurement, and well suited with microplate reader and washer; V-well plates are used for the application where the total sample volume pipetted out, used to combine optical properties of F-plate with rounded well bottom ends to facilitate liquid to flown out easily; and U-well plates, and strips washing used to eliminate liquid without disruption and can be used to transfer the data among the PC and the washer or among two washers, similarly it used to upgrade the software. Additionally up to different liquid lines can be used allowing flexible configurations including 1 Buffer bottle, 1 waste bottle, 1 rinse bottle and 1 wash bottle different wash solutions. Provide shaking and dipping function. CE AND ISO Certified.

- 1 Buffer bottle, 1 waste bottle, 1 rinse bottle and 1 wash bottle
- CE AND ISO Certified
- Low residual liquid with maximum capacity for each tubes or well would be ≤2 µl
- Available with different profiles U-V-Flat bottom microplates and strips washing that use for immune assay to defined the consistency binding characteristic, however immobilisation of biomolecules is not affected by the well profile
- Operated by large LCD display with touch screen
- Automatic alarm for full liquid
- Suitable for ELISA and cell based assay
- Equipped with automatic washing functions and strainer to evade liquid problem through channel
- Capability to protect up to 120 programs
- Automatic alarm function
- User friendly, easy to operate and programmes and can updates software online
- Designed with washing shaking, dipping, and washing head to set the excellent washing of plates

Model	IMW- 500	
Display	LCD	
Washing Mode	Strips and plate mode	
Washing volume	50 to 3000 µl/well	
Washing heads	1×8 or 1×12 heads	
Residual Volume	?2 µl/well	
F, U, V, C flat bottom	F, U, V, flat bottom	
Shaking Time Range	Adjustable 0 to 600 seconds	
Washing Time Range	Adjustable 0 to 99 times	
Dipping Time Range	Adjustable 0 to 3600 seconds	
Number of wash protocols	120	
Environment Temperature	5 to 40°C	
Humidity	80%	
Certification	CE and ISO	
Dimensions	448x382x163 mm	
Weight	8 kg	
Electrical Requirement	100V/50Hz	240V/60Hz
Catalogue No.	420550501	420550502

Microplate Washers IMW-1000

Microplate Washers IMW-1000 is known for their reliability and versatility. Equipped with liquid position sensor to evade discarded liquid from overflow, reduce threat and avoid liquid that drawn into the pump to break the equipment. The IMW-1000comes with different microplate well profile: F-well plate for superb optical properties and are thus this plate is used for optical measurement, and well suited with microplate reader and washer; V-well plates are used for the application where the total sample volume pipetted out; C-well plates are flat type, used to combine optical properties of F-plate with rounded well bottom ends to facilitate liquid to flown out easily; and U-well plates are used to eliminate liquid without disruption and can be used to transfer the data among the PC and the washer or among two washers, similarly it used to upgrade the software. Additionally up to different liquid lines can be used allowing flexible configurations including 3 washer of 2.5L washing bottle and 1 pcs 2.5L waste bottle different wash solutions.

- Low residual liquid with maximum capacity for each tubes or well would be ≤0.5 µl
- Available with different profiles U-V-C-Flat bottom microplates that use for immune assay to defined the consistency binding characteristic, however immobilisation of biomolecules is not affected by the well profile
- Up to different liquid lines can be used allowing flexible configurations including 3 washer of 2.5L washing bottle and 1 pcs 2.5L waste bottle different wash solutions
- Operated by large 4.3 inch LCD display with touch screen
- Proven optical system with 3 channels optical fiber scanning with accommodation of central and multi point washing system
- Automatic alarm for full liquid
- Suitable for ELISA and cell based assay
- Equipped with automatic washing functions and strainer to evade liquid problem through channel
- Capability to protect up to 100 programs
- Automatic alarm function
- User friendly, easy to operate and programmes and can updates software online
- Designed with washing head of diameter 0.1 mm and to set the excellent washing of plates
- The interface connection for this model are available with USB along with U-disk external support to set programs

Accessories

- 8 needles washing head
- 12 needles washing head
- Washing liquid bottle
- Waste liquid bottle

Model	IMW-1000	
Display	4.3 inch LCD display	
Washing channels	3	
Washing method	Central, 2 and multi points	
Washing volume	50 to 2000 ?l	
Washing heads	1×8 or 1×12 heads	
Residual Volume	?0.5 ?l	
Plate types	F, U, V, C flat bottom	
Bottle	3 pcs 2.5L washing bottle, 1pcs 2.5L waste bottle	
Dispense accuracy	CV?2.0% at 300 ?l (CV?1.5% for 96 wells)	
Number of wash protocols	100	
Interface	USB	
Dimensions	345×460×200 mm	
Weight	11.5 kg	
Electrical Requirement	AC100, 50Hz	AC240V, 60Hz
Catalogue No.	420600501	420601001

Microplate Sealer

Iris Microplate Sealersis ideal solution for automated heat sealing of microplates, PCR, colorimetric, fluorescence, long term storage, low temperature storage used in laboratory applications. Used 3P constructing material(polypropylene, polystyrene, and polyethylene).

Microplate Sealers IMS-1000

Microplate Sealers IMS-1000 Series provides high reliability, good flexibility and performance. Suitable for SBS standard plates, deep-well plates, PCR plates sealing. The IMS-1000 equipped with plate adapter, 96-well PCR plate adapter, weighted sealing platen, peel able clear seal, peel able Seal for storage, and pierce aluminum heating sealing film. Used in instance plastic film, food, medical, inspection institute, scholastic scientific research field with contribution of flexibility and reproducibility.

- Heat sealing instrument
- Easy access of formerly deposited sealing procedures
- Large OLED display shows all operating parameters
- Sealing temperature: 80 to 200℃
- Constructing materials is 3P that is Polypropylene, Polystyrene, and Polyethylene
- Design with foil-polypropylene laminate, clear polyester-polypropylene laminate, clear polymer, and thin clear polymer of heating sealing foils
- Automatic counting function
- Adjustable sealing pressure
- CE certified
- Motorized drawer and sealing for insertion of plate and seal
- Engineered with unique features setting of sealing time and temperature by control knob, OLED display screen, high light and no visual angle limit
- Assure safety of user

Model	IMS-1000
Sealing Temperature	80 to 200? , increment of 1.0 ?
Accuracy	±1.0°C
Uniformity	±1.0°C
Display	OLED
Materials	PP: Polypropylene PS : Polystyrene PE : Polyethylene
Plate types	SBS Standard plates, Deep-well plates, PCR plates (skirted, semi-skirted and no-skirted formats)
Heating Sealing Films and Foils	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer
Sealing time	0.5 to 10 seconds, increment of 0.1s
Seal plate heights	9 to 48 mm
Power Consumption	300 W
Dimension	370×178×330 mm
Weight	9.6 kg
Electrical Requirement	120V
Catalogue No.	420700501

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