IRIS ANALYTICAL

ELISA Microplate Readers & Washers

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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

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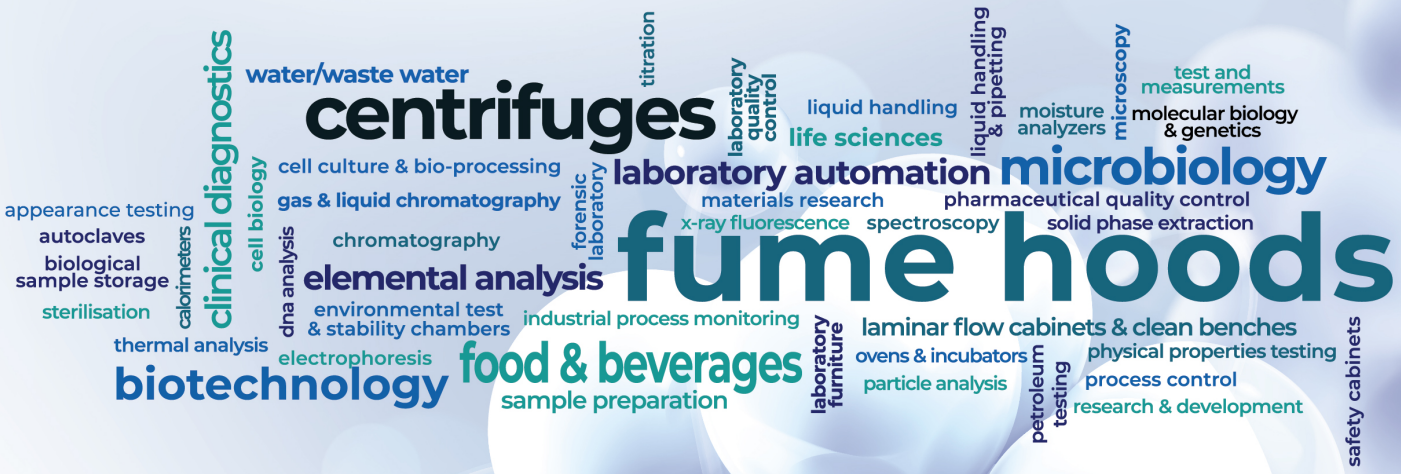

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