IRIS ANALYTICAL

ELISA Microplate Readers & Washers

cs@irisanalytical.com
+1 706 760 4500
www.irisanalytical.com

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.

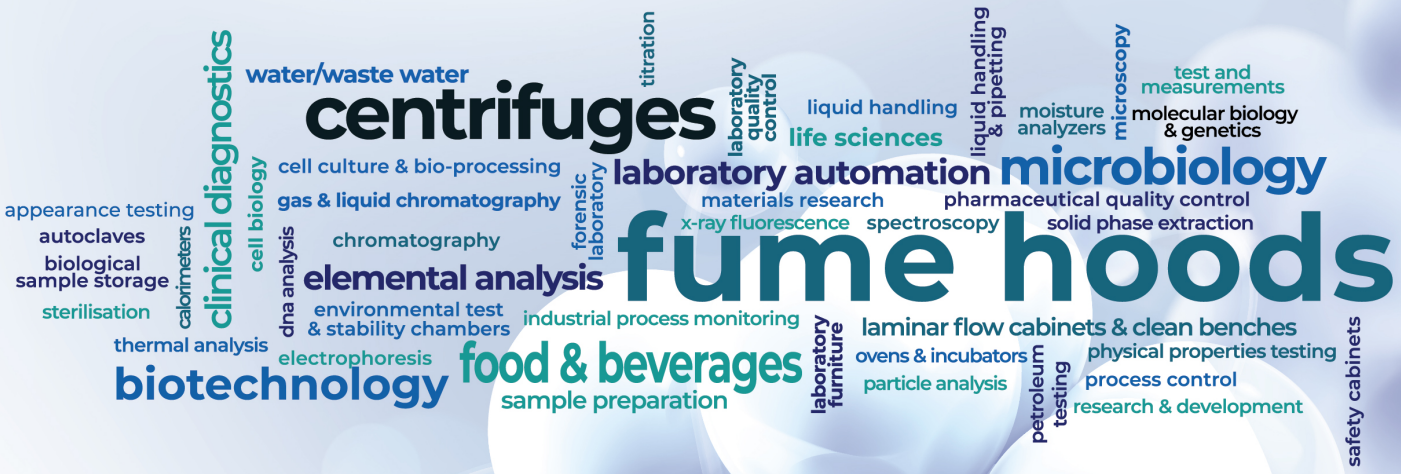
- An 8-channel manifolds is supplied as standard for use with standard 96, and 384 wells
- Up to different liquid lines can be used allowing flexible configurations including 3 washer of 2.5L washing bottle and 1 pcs 2.5L waste bottle different wash solutions
- Single or dual wavelength measurements, 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

IRIS ANALYTICAL



IRIS Analytical Inc.

cs@irisanalytical.com +1 706 760 4500 www.irisanalytical.com