



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 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 Series is used as ultraviolet-visible spectrophotometer. Covers the full wavelength range 190 to 1000 nm and 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.



Description

Microplate Workstation IPW-4000 Series is used as ultraviolet-visible spectrophotometer. Covers the full wavelength range 190 to 1000 nm and 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

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- 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 ± 1 nm, 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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Specification

Model	IPW-4200	IPW-4400	IPW-4000S
Functions	Microplate Reader	Microplate Reader & Washer	Microplate Reader, Washer & Micro spectrophotometer detection
Wavelength Range	190 to 1000 nm		
Accuracy	± 1.0 nm		
Repeatability	<0.2 nm		
Measurement Range	0 to 15.0 OD		
Resolution	display: 0.001Abs, internal calculation: 0.000001Abs		
Incubation Temperature	RT+ 2 ° C to 65 ° C		
Plate Types	standard 96-well microtiter plate (the rest can be extended custom)		
Features	Detect single, dual, full wavelength, incubation heating		
Mode	visual free layout mode		
Applications	quantitative or qualitative detection, a variety of calculation methods: absorbance mode, Cut-off qualitative calculation, linear regression, exponential regression, logistic regression		

Other Features		Includes Self-washing function, (No additional Microplate Washer required)	Includes Self-washing and Micro spectrophotometer detection function
Electrical Requirement			
Catalogue No.	4205005-04	4205010-04	4205015-04

Technical

Model	IPW-4200	IPW-4400	IPW-4000S
Functions	Microplate Reader	Microplate Reader & Washer	Microplate Reader, Washer & Micro spectrophotometer detection
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Accuracy	±1.0 nm		
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