IRIS ANALYTICAL

ELISA Microplate Readers & Washers



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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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