

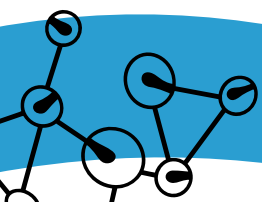
MICRO PLATE READER

8" TOUCH SCREEN ELISA MICROPLATE READER
BUILT IN COMPUTER - UBPL-580 SERIES



Description:

This computer-controlled system is designed for **Enzyme Linked Immunosorbent Assays (ELISA) on both 48 well and 96 well microplates**. It offers automation for efficient and accurate processing, complete with data analysis and reporting capabilities. Widely used in clinical diagnostics, disease control, agriculture, biotechnology, and academic research, it plays a crucial role in detecting biomarkers, monitoring diseases, and ensuring quality in various industries and scientific disciplines.



TECHNICAL SPECIFICATIONS:

Model	UBPL-580
Light Source	6V, 10W tungsten halogen lamp, it can work over 5000 hours
Wavelength Range	400~750 nm
Optical Filters	4 standard filters: 405, 450, 492, 630 nm, maximum 8 filters
Measurement Methods	Single wavelength, dual wavelength, two points method, dynamic assay, multiple wavelengths
Blank Ways	Single well blank, multiple wells blank, rows and columns blank
Calculation Method	Absorbance, single point calibration, linear regression, quadratic curve, four parameters equation
Measurement Speed	Single wavelength < 3 seconds/96 wells, dual wavelength < 9 seconds/96 wells
Measurement Range	0.0000-4.5000Abs
Resolution	0.0001A
Linearity	± 0.5% or < 0.025A
Repeatability Difference	< 0.1% or ± 0.0025A
Rows and Columns Difference	< 0.01 A
Display	Built-in XP system, 8" touch-screen, shows whole microplate results and calibration curve
Save Information	More than 300 test programs, results of 50 pieces of 96 well, 100000 test results
Interface	4 USB two-way communication interface, 1 RS232, 1 VGA, 1 Keyboard connector, 1 mouse connector
Environment	Power supply 12V DC (100V-240V wide input voltage range); temperature: 5°C-40°C



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