

## ELISA Plate Reader

CAT#: DIA2000

Elisa Plate Reader is designed according to the principle of enzyme-linked immunoassay technology, adopts the design of vertical 8-channel optical path, and can be used for single and dual wavelength measurement, providing absorbance test, qualitative test, quantitative test, inhibition ratio test and other modes. The instrument adopts 10.1-inch industrial-grade colour LCD display, touch screen operation. The test results can be displayed, stored and printed. Elisa Plate Reader can be configured with computer-side Elisa Microplate Reader analysis software.

This instrument is widely used in scientific research laboratories, quality inspection bureaus, agricultural and animal husbandry, feed enterprises, food enterprises and other testing fields

### Features

- 10.1-inch large touch screen operation
- High precision and accurate results
- Software: Single wavelength and double wavelengths detection methods

Technical Specification	
<b>Measurement Channel</b>	Vertical 8 optical channels
<b>Plate type</b>	96 wells
<b>Wavelength Range</b>	400-750 nm
<b>Filters</b>	405,450,492,630nm
<b>Reading Range</b>	0-4.000 Abs
<b>Linear Range</b>	0-3.000 Abs
<b>Resolution</b>	0.0001 Abs
<b>Repeatability</b>	CV ≤ 1.0%
<b>Stability</b>	± 0.003 Abs
<b>Sensitivity</b>	≥ 0.01 mg/L
<b>Channel difference</b>	≤ 0.02 Abs
<b>Shaker Plate Function</b>	3 different modes, 0~255s
<b>Screen</b>	Colour Touch Screen 10,1 inch
<b>Software</b>	Single and double wavelength detection method
<b>Light Source</b>	Tungsten Halogen lamp 20 W
<b>Analysis Mode</b>	Absorbance, Quantitative, Qualitative,
<b>Well type</b>	Capable of reading U,V and Flat type wells
<b>Plate Carrier Movement</b>	Stepper Motor
<b>Connectivity</b>	RS232/ USB. 9600 baud, 8 data, 1 stop, no parity bits / USB
<b>Power Supply</b>	AC100~240V, 50/60 Hz



### Special Features

- User-friendly software
- Customized layout (horizontal and vertical)
- Detailed monitoring of patients
- Connection to LIS system
- QC Follow-up weekly/monthly
- Restrictive access to users, depending on their status
- Language settings

Technical Specification	
<b>Operating Conditions</b>	From + 10°C to 40°C, Up to 80%
<b>Storage Conditions</b>	From -20°C to 55°C, up to 80%
<b>Instrument size</b>	45 x 32 x 30 cm
<b>Package size</b>	58,5 x 42,5 x 40,5 cm
<b>Net/Gross Weight</b>	11/13 Kg