

# ELISA Reader

**IG-96T**



**IGENE LABSERVE**

Innovative • Interactive • Intuitive

# FEATURES & SPECIFICATIONS

## DESCRIPTION

An ELISA reader is an instrument that is used to read the fluorescent, chemiluminescent, or chromogenic response of the ELISA in a 96-well plate. The instrument is designed to fit standard 96-well plates, and will provide quantitative information about the extent of the response for each individual well of the plate.

## FEATURES

- ❖ Graphical operating interface, ergonomically designed for convenience of use.
- ❖ High brightness and large size LED display, with touch screen input
- ❖ Flexible Plate layout with Blanks, Standards, Samples, Reference, QC in one screen
- ❖ Single board multiple tests function, performing 24 different tests at the same time just in one plate
- ❖ Single or dual wavelength measurements, comprehensive qualitative and quantitative data-evaluation functions with cut-offs, curve-fits and transformation formulas
- ❖ Proven optical system with 8 channel optical fiber scanning, auto plate centering system positions the center of the cell accurately
- ❖ Auto Lamp adjustment and auto calibration, improve the efficiency of the system and reduce the cost
- ❖ High sensitive touch screen input, and can be matched with the mouse and keyboard, support handwriting input
- ❖ Multi-forms in data output ( local, USB, network), including text file and Excel file
- ❖ Provide more than 20 different reporting formats including patient comprehensive report, support USB printers



# SPECIFICATIONS

<b>Plate Style</b>	<b>48-hole,96-hole microplate or bar plate</b>
<b>Applicable hole</b>	Flat, V-bottom or U-bottom
<b>Wavelength Range</b>	400~800nm
<b>Standard Filters</b>	405,450,492,630nm
<b>Additional Filters</b>	On request, filter wheel for up to 8 filters
<b>Reproducibility</b>	≤0.2%
<b>Shaking</b>	Linear Shaking, 3 speeds
<b>Screen</b>	7 Inch colour LCD
<b>Interface</b>	USB, VGA, NETWORK INTERFACE, AUDIO INTERFACE, RS-232
<b>Read Speed</b>	Single wavelength ≤ 3s /96 holes
<b>Power Supply</b>	100~240V, 50~60Hz

# PARAMETERS

<b>Light Source</b>	<b>Controlled tungsten halogen lamp</b>
<b>Photodetector</b>	Silicon Photodiode
<b>Indication Range</b>	0.000~4.000OD
<b>Accuracy</b>	±1.0% at 1.0 OD, 450nm
<b>Resolution</b>	0.001OD
<b>Stability</b>	±0.003OD
<b>Display</b>	10.4 inch colour LED display, resolution 1024*600
<b>Data Storage</b>	2,000,000 test data, more than 500 test projects
<b>Best Environment</b>	5°C~40°C;max humidity:80%
<b>Dimensions/Weight</b>	460×350×197mm/10kg