

Enzyme-Linked Immunosorbent Assay

ELISA 200

Features:

- 10.1 touch screen , 1280*800pixels
- Android software interface to PC software
- Tungsten Halogen lamp life up to 2000 hrs at 6V 10W
- Replace light source and filter without open device cover
- Auto calibration, advanced algorithm, accurate and reliable measure data
- Auto inspect and diagnose and calibrate optical path, and mechanical movement etc.
- Setup time and speed of vibration plate
- Export visual measure result

Application:

- Scientific Research Lab
- Hospital
- Bio Lab
- Chemical Lab
- Environment Measure

Description:

ELISA is a technique designed for enzyme-linked immunosorbent assay, and ELISA can identify and quantify substances of peptides, proteins, antibodies and hormones. Elisa also called enzyme immunoassay (EIA). This ELISA wavelength 340-750nm, ELISAs configured in 96-well polystyrene plates can satisfy high through put demands in the scientific and clinic market. The 10.1 inch touch screen easy to operate software for data storage and export.

Absorbance range: 0~4.000Abs , 8 filters wheel, standard 4 filters, optional filters of 340nm~750nm

Fast readout 96-well polystyrene plates data, available in single & dual wavelength

Built-in software to control device for data analysis, U drive connection, scan gun can fast scan software operation



1. Performance

Model	ELISA200
System	10.1 inch touch screen, Android system
Light source	6V,10W Halogen lamp life up to 2000hrs
Range	340-750nm full visible
Filter	8 sheet filter wheel, 4 standard sheet of filter including 405nm, 450nm, 492nm, 630nm, optional filter from 340nm-750nm
Filter band wide	8~10nm
Readout value	0-4.000Abs
Linearity (405nm)	0~3.0Abs, $\pm 1\%$; 3~4.0Abs, $\pm 2\%$
Resolution	0.001Abs
Accuracy (405nm)	$\pm 1\%$ (0-3Abs)
	$\pm 2\%$ (3-4Abs)
Accuracy (405nm)	CV $\leq 0.2\%$ (0-3Abs)
	CV $\leq 1.0\%$ (3-4Abs) standard
Measure speed	<6S, 96-well polystyrene plates, fast scan mode; single wavelength <15s/96-well Dual-wavelength<28s/96-well (standard mode)
Storage	200 measure programming 100,000 measure result (96-well)
Interface	3 port of USB available to computer, printer and U drive
Power	AC100-240V, 50-60Hz, 2A
Dimension (W×D×H)mm	440×295×225
Net weight (kg)	10 kg
Scan	Scan gun