

# *PRISMA* read

Microtiter plate ELISA reader



# PRISMA read (REF. EQEL001)

**PRISMA read** is a microplate reader with up to 8 reading positions and it is an extremely flexible and fast photometer. It employs 5 seconds for the monochromatic reading at any wavelength for 96 flat bottomed and “U” shaped well microplates. It performs readings in absorbance. It is easily programmable and operate through PC software or keyboard.

It has a plate shaking feature and It is provided with the following filters: 405nm, 450nm, 492nm, 630nm, 4 free positions.



The keyboard helps in the selection of all the functions. It can operate bichromatic measurement, multi-calculation methods including ABS, Cut-off, Linearity and Log. Easily programmable and operate through PC software or keyboard. To carry out ideal operation and data management for Elisa test, an intelligent PC software is provided with **PRISMA read**:

- Working base on Windows system
- Control machine, test programming, calculating results and indicating reagent recession curve.
- Multi-calculation methods on board: linearity, LogX, logY, logXY, Parabola regression, Polynomial regression, 4PL Regression.
- A complete data administration system for: micro-plate, reagent, patient, laboratory and results.

## Technical Specifications

**Reading Speed:** 5 seconds for 96 well plate

**Light source:** Halogen lamp 8V/50W

**Filters:** 405nm, 450nm, 492nm, 630nm, 4 open positions

**Photometric Range:** 0.000-4.000Abs

**Photometric Accuracy:** ±1%(0.000-2.000Abs)

**Wavelength Range:** 340~750nm

**Applicable programs:** 28 except of PC

**Measure Mode:** Monochromatic , Bichromatic

**Calculation Mode:** ABS; Cut-off; Linearity; LogX; LogY

**Display:** 240\*128LCD

**Interface:** RS232, parallel interface for external printer

**Output:** External printer (optional)

**Power supply:** AC220V/110V±10%,50/60Hz

**Dimension:** 440(L)mmX305(W)mmX154(H)mm

**Net weight:** 7kg

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