

PKL PPC 142 **Micro Plate Elisa Reader**

An *Italian* Technology

- ▶ With built in Computer
- ▶ Can perform single well to 96 wells
- ▶ Measurement : 0.0 - 4.5 Abs



PKL PPC 142 Automated Microplate Reader offers numerous ELISA applications. They provide accurate fast Photometric measurements using innovative technology for IVD, Research, Veterinary, Biotechnology, Food and academic organizations.

PKL PPC 142

Micro Plate Elisa Reader

FEATURES

- Built-in computer, 8 inch touch screen, edit, test, save, print efficiently and conveniently
- 8 channels zero dispersion monochromatic optical fibre testing system, automatic well center positioning
- High-precision rail transmissions, enclosing optical system, test 96 wells in 3 seconds.
- System self-check and diagnosis function for optical paths and mechanical parts.
- Lamp's automatic switch, energy-efficient design can extend the life of light source and make easy to change lamp.
- Shaking function, adjustable shaking speed and time
- New windows graphical user interface, operation system in English
- Specimen information records : lists and cards, directly input specimen number, Patient Name, etc.
- Specimen Number, OD value, result, S/CO value and item parameters can be shown in the same screen
- Quick tagging blank, specimen, positive control, quality control, multi-valued comparison.
- Arrange 96 well micro plate horizontally or longitudinally, set up optionally the start bit and stop bit in testing, autocoding.
- Suitable for self contrast, rows and columns subtraction, input judgment formula freely.
- Qualitative and quantitative parameters, the storable standard curve can be used directly.

SPECIFICATIONS

- Light Source : 6 V, 10 W 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 : Linear, Conic, Semi-log, In, Log-Log, Point-Point, Four_Parametric, Spline
- Measurement Speed : Single wavelength < 3 seconds/96 wells, dual wavelength < 9 seconds/96 wells
- Measurement Range : 0.0000 - 4.5000 Abs
- Resolution : 0.0001A
- Linearity: $\pm 0.5\%$ or $< 0.025 A$
- Repeatability Difference : $< 0.1\%$ or $\pm 0.0025 A$
- Rows and Columns Difference : $< 0.01 A$
- Display : Built-in XP system, 8 inch touch-screen, shows whole microplate results and calibration curve
- Save information : more than 300 test programs, results of 50 pieces of 96 wells, 100000 test results
- Interface : 2 USB two-way communication interface, 1 RS232, 1 VGA, 1 LAN
- Environment : Power supply : 12V DC (100 V - 240 V wide input voltage range); temperature : 5°C-40°C; humidity : 10%-90%
- External Dimension : 52.5 cm (20.7 in) x 42.0 cm (16.5 in) x 26.0 cm (10.20 in)
- Net Weight : 9 kg

Mfd. in Italy for



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