



## Features

- It is controlled by external computer to complete edit, test, save, print efficiently and conveniently
- 8 channels zero dispersion monochromatic optical fiber testing system, automatic well center positioning
- High-precision rail transmission, 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 extends the life of light source and makes 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 No., Patient Name, etc
- Specimen No., OD value, result, S/CO value and term parameters can be shown in the same screen
- Quick tagging blank, specimen, positive control, quality control, multi-valued comparison
- Arrange 96 well microplate 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
- Multiterm can be tested on one microplate up to 12 terms
- Report according to microplate No. or specimen No., input experimental terms and results in batches
- Inquiry and statistic analysis can be done according to the specimen No. and name, automatically track and analyse changing trends in data
- Test data can be saved in MS Excel for further analysis

## Specifications

- Light Source: 6V, 10W 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 point method, dynamic assay, multiple wavelengths
- Blank Ways: single well blank, multiple wells blank, rows and columns blank
- Calculation Method: absorbance, single point calibration, linear regression, quadratic curve, four parameters equation
- Measurement Speed: single wavelength < 3 seconds/96 wells, dual wavelength < 9 seconds/96 wells
- Measurement Range: 0.0000-4.5000Abs
- Resolution: 0.0001A
- Linearity:  $\pm 0.5\%$  or  $< 0.025 A$
- Repeatability Difference:  $< 0.1\%$  or  $\pm 0.0025A$
- Rows and Columns Difference:  $< 0.01 A$
- Display: controlled by external computer, shows whole microplate results and calibration curve
- Save Information: more than 300 test programs, results of 50 pieces of 96 well, 100000 test results
- Interface: 1 USB two-way communication interface.
- Environment: power supply 12V DC (100V-240V wide input voltage range); temperature: 5°C-40°C; humidity: 10%-90%