

# CCL-6000 Microplate Reader



## Features

- Easy Windows operation system with touch screen or mouse, large LCD display
- 8-channel optical fiber system enables 5 secs' reading for the whole plate
- Bichromatic measurement, calculation modes including ABS, Cut-off, Curve, Linear, Log and Exponential regression
- Large memory, up to 100 test protocols and 10,000 can be stored
- Auto self-check when power on
- With lamp sleeping and wake-up function
- Random positive and negative control setting
- Multi-assay enables up to 12 different assays on one plate
- Plate shaking function
- Internal printer (external printer optional)
- Powerful QC function: Grubs, Westguard Multi-rule, Levey jennings plot (optional)
- Easy software upgrade by SD card, support USB mouse and keyboard
- Multiform result output including patient comprehensive report
- Ability to communicate with PC for data management(optional)

## Technical Specifications

### Absorbance Range

0.000-4.000Abs

### Resolution

0.001Abs (display), 0.0001Abs (calculation)

#### Accuracy

$\pm 0.1\%$  or  $\pm 0.005\text{Abs}$

#### Type of Microplate

Standard with 96-well or other kind of microplate and strip

#### Wavelength

405, 450, 492, 630nm, 4 more filters optional (from 400-700nm available on special order)

#### Wavelength Accuracy

$\pm 1\text{nm}$

#### Measurement range

0.000-2.500Abs

#### Optic System

8-channel optic fiber system

#### Light Source

Halogen lamp

#### Band width

$< 8\text{nm}$

#### Calculation Method

ABS, %ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, 4PL Regression

#### Reading Speed

5 seconds for 96 well plate (single wavelength)

#### Shaking Plate

Shaking time and speed adjustable

#### Operation

PC operation, bidirectional communications

#### Memory

More than 100 programs, up to 100,000 test results

#### Interface

RS-232, USB, SD card interface

#### Display

6" LCD (with touch screen function)

#### Input

Touch panel or mouse

#### Output

Internal printer; External printer (optional)

#### Power supply

AC 110V - 220V  $\pm$  10%, 50-60Hz

#### Net Weight

9KG

#### Dimensions L $\times$ W $\times$ H (mm)

460 $\times$ 330 $\times$ 200