



# Microplate Reader LD-LMPR-B10

Microplate Reader LD-LMPR-B10 is used in ultraviolet-visible spectrophotometer with 96-well multimode UV-transmissive 96-well microplate optical system. Designed with flashing xenon lamp source, long life and stable illumination, the wavelength ranges from 190 nm to 1000 nm and offers 0 to 15.0 OD measurement range. It has single wavelength, dual wavelength and full wavelength detection functions and microplate oscillating mixing function. It offers quantitative or qualitative detection, a variety of calculation methods: absorbance mode, Cut-off qualitative calculation, linear regression, exponential regression and logistic regression. It is used for G protein coupled receptor detection and for protein quantitative analysis, support UV absorption, Bradford, Lowry and other methods. The special light absorption detection board can be used for calibration and calibration of the equipment also used in powerful data analysis software, microplate analysis and workstation.

## Features :

- ❑ Designed with temperature control incubation system
- ❑ It is used in ultraviolet-visible spectrophotometer
- ❑ CCD real-time spectral scanning mode and real-time output of UV-visible spectrum
- ❑ Detects any standard 96-well or UV-transmissive 96-well microplate
- ❑ Designed with LCD touch display
- ❑ Built-in grating monochromator
- ❑ It offers incubation heating function
- ❑ Wavelength ranges from 190 to 1000 nm
- ❑ Equipped with single wavelength, dual wavelength and full wavelength detection functions
- ❑ Microplate oscillating mixing function
- ❑ Total antioxidant capacity test
- ❑ Suitable for cell proliferation and cytotoxicity test

- ❑ G protein coupled receptor detection
- ❑ Designed with flashing xenon lamp source, long life and stable illumination
- ❑ USB data interface to facilitate instrument control and data transmission
- ❑ It detect the absorbance, concentration and purity of nucleic acids and proteins
- ❑ The special light absorption detection board can be used for calibration and calibration of the equipment also used in powerful data analysis software, microplate analysis and workstation
- ❑ Instrument parameter setting and instrument self-test function is highly automated
- ❑ Suitable for end point method ELISA / EIA, with a variety of fitting curves for analysis
- ❑ The software complies with IQ/OQ/PQ and FDA 21 CFR Part 11 certification

## Application :

Microplate Reader is used in life science research work, especially DNA/RNA analysis, cell proliferation and cytotoxicity test, bacterial concentration analysis, pharmaceutical plant analysis, protease and kinase, phospholipase, NADH, GST activity test across used in end point method ELISA / EIA, with a variety of fitting curves for analysis.

## Specifications:

Model	LD-LMPR-B10
wavelength range	190 nm to 1000 nm
Wavelength accuracy	±1.0 nm
Wavelength repeatability	< 0.2 nm
Resolution	0.001 Abs
Display Value	0.000001 Abs
measurement range	0 to 15.0 OD
layout mode	visual free layout

Incubation temperature	room temperature + 2°C to 65°C
Microplate type	standard 96-well microliter plate
Display	LCD touch
Dimension	510 × 370 × 290 mm
Packing Dimension	675 × 680 × 600 mm
Net weight	21 kg
Gross weight	45 kg