

LABdex



Microplate Reader

LX851MR

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Microplate Reader LX851MR

Microplate reader LX851MR is a fast and accurate reader with 8 channel dispensation and a wavelength range of 400 ~ 750 nm. Equipped with shaking function with adjustable speed and time. Features horizontal or longitudinal arrangement of 96 well plates with multiterm testing. Suitable for self-contrast with row and column subtraction with self-check diagnosis for optical parts. Built-in features include quick blank tagging, quality control and multi valued comparison.

Features

- » Eight channel zero dispersion
 - » Automated well centre positioning
 - » 96-well testing in 3 secs
 - » Adjustable shaking speed and time
 - » Horizontal or longitudinal 96-well microplate arrangement
 - » Self-contrast with rows and column subtraction
 - » Multitermtesting (1 microplate upto 12 terms)
 - » Automatic tracking and analysis with data change trend
 - » Test data saving in MS excel for further analysis
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Application

Used for DNA, RNA quantity measurement with fluorescent dyes (eg. Pico Green), DNA, RNA and protein quantification, analytic immune and biochemistry assays (eg. ELISA) and kinetic analyses

Specifications

Model No	LX851MR
Wavelength range	400 ~ 750 nm
Interface	2 USB two way communication interface
Blank ways	single well , multiple well , rows and column
Computer connectivity	Built-in computer
Optical filters	4 standard filters (405 nm , 450 nm , 492 nm , 630 nm)
Light source	6V, 10 W tungsten halogen lamp (work over 5000 hrs.)
Measurement methods	single wavelength, dual wavelength, multiple wavelength, two point method, dynamic assay
Calculation method	absorbance, single point calibration, linear regression, quadratic curve, four parameters equation
Measuring speed (single wavelength)	3 secs per 96 wells
Measuring speed (dual wavelength)	9 secs per 96 wells
Measurement range	0.0000 ~ 4.5000 Abs
Temperature	5 °C ~ 40 °C
Resolution	0.0001 A
Linearity	± 0.5 % or < 0.025 A
Repeatability difference	< 0.1 % or ± 0.0025 A
Rows and column difference	< 0.01 A
Display	8 inch touch screen (displays whole microplate results and calibration curve)
Data storage	300 test programmes, 5 pieces of 96 wells
Interface	2 USB two way communication interface
Power supply	100 V ~ 240 V
Dimension	525 x 420 x 260 mm
Weight	9 kg