

MICROPLATE READERS



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The microplate reader is also known as a Photometric microplate reader or ELISA reader. It is a specialized spectrophotometer that is designed to detect the results of the ELISA test. This device works on the principle of Photoelectric colorimetry, as it has the presence of colorimetric agents. The detection of cancer through the microplate reader is one of the most widely used applications in the research lab.

Used in Laboratory Microplate Reader.

LTMCR8-1 MICROPLATE READER

It is an eight-channel reader with the most sophisticated technology, high quality, high reliability and easy to operate.

8 channels measuring system.

Analysis Mode: Cut-off, single and multi-standard, O.D., bichromatic, dynamic reading.

Optical filter 405/450/492/630nm

100 programs storage.

Touch screen display.

Built-in thermal printer.



SPECIFICATIONS

Model	LTMCR8-1
Measuring System	Optical system with 8 channels
Analysis Mode	Cut-off, single and multi-standard, O.D., bichromatic, dynamic reading
Linear Range	0.001-3.500 Abs
Photometric Accuracy	$\pm 1\%$ or ± 0.001 Abs
Repeatability	$< 1.0\%$
Stability	< 0.005 Abs/hr
Linearity	$< \pm 1.0\%$
Sensitivity	$\leq \pm 0.001A$
Channels Discrepancy	$\leq \pm 0.002A$
Optical Filters	405/450/492/630 nm other filters available on request
Reading	Automatic focusing function makes the results more precise
Tray Shaking	Yes
Storage	100 programs
Display	Touch screen
Interface	RS-232 and USB port
Printer	Built-in thermal printer (external printer are available on request)
Power Supply	AC 220V 50 Hz or 110V 60 Hz
Dimension	46Lx33Wx18H cm
Weight	7.5 kg

LTMCR8-2 MICROPLATE READER

Bichromatic, 8-channel Optical system.

Large storage capacity up to 200 test protocols and 100,000 results.

LED light source with lifespan over 10,000 hours.

3 shaking modes with variable time.

Windows operation system, self-check, malfunction alarm.

7 inch touch TFT LCD screen, test results simultaneous displayed in screen.



SPECIFICATIONS

Model	LTMCR8-2
Repeatability	<1%
Stability	<0.005 Abs/10 min
Linearity	R \geq 0.995
Display	7 inch TFT LCD, 800x480 Pixels
Interface	RS~232, 4 USB ports, SD Card
Printer	Built-in printer, external printer
Power Supply	AC 100~240V, 50/60 Hz
Dimension	400Lx310Wx169H mm
Weight	6 kg
Readout Range	0.000~3.500 Abs
Plate Type	96-well plate
Light Source	Monochromatic LED
Reading Speed	5s with single wavelength for whole plate
Input	Mouse, membrane keyboard, touch screen
Working conditions	
Humidity	15%~85%
Temperature	10°C~35°C
Measure System	8~channel optical system
Band Width and Accuracy	8 nm \pm 2 nm
Shaking	3 shaking modes with variable time
Wavelength	405, 450, 492, 630nm, two more optional



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