

Galatek

Microplate Reader

Imagify-R1000 is a newly developed, reliable performance, powerful functionality, and flexible application microplate reader.

It can accurately measure the absorbance of samples in microplates and supports simultaneous configuration of up to eight filters.

The detection wavelength range is 330-900 nm, and it also features incubation and shaking functions to handle complex experimental testing conditions.

The instrument boasts a 10-inch large touchscreen with a graphical user interface, making operation intuitive and easy to grasp. It is designed to meet the diverse detection needs of various laboratories.



Wireless
connection

Incubation
temperatures
up to
55 °C above RT

A broader
wavelength
range
330-900nm

A larger
reading 0-60D

A larger touch
interface

Product Features



- The detection wavelength range is 330-900nm, suitable for various detection applications.
- Dual measurement modes (continuous and stepped), capable of measuring a 96-well plate in just 8 seconds, offering high speed and excellent reproducibility.
- Multiple programmable detection modes are available, including single wavelength, dual wavelength, two-time method, kinetics, and multi-wavelength modes
- 10-inch large touchscreen with an intuitive and straightforward interface
- The system comes standard with an incubator adjustable from room temperature +4°C to 55°C and a 3-speed adjustable oscillator, meeting a variety of experimental needs
- A broad measurement range from 0 to 6 OD offers enhanced flexibility in application scope.
- Supports both wired and wireless connection to computer for control, equipped with the latest operation software.

Product Model	Microplate Reader
Light	Quartz Halogen Lamp
Wavelength Range	330-900 nm
Applicable Plate Type	96-well ; 384-well
Filter Wheel	8-Position Filter Wheel, equipped with 4 standard filters: 405 nm, 450 nm, 492 nm, and 630 nm, with optional additional filters available.
Filter Bandwidth	3-9 nm
Reading Range	0-6 OD
Linear Range	0-4 OD, (405 nm) 0-3Abs , $\pm 2\%$, 96-well plate, rapid measurement mode; 0-4 Abs, $\pm 2\%$, 96-well plate, standard measurement mode
Accuracy	$\pm 1\%$ (0-3Abs)@405 nm ----- $\pm 2\%$ (3-4Abs)@405 nm
Precision	$CV \leq 0.2\%$ (0-3 Abs), $CV \leq 1.0\%$ (3-4 Abs)@405 nm
Measurement Speed	8s, 96-well, high-speed measurement; 12 s, 96-well, normal measurement ----- 16 s, 384-well, high-speed measurement; 24 s, 384-well, normal measurement
Incubator	Standard configuration, temperature control range: room temperature +4°C to 55°C
Oscillator	Standard configuration, linear shaking, three speed options available
Graphical User Interface	10-inch high-definition color touch screen
Language	CN/EN
PC software	Standard configuration
USB data export	Support
External printer connection	USB / WIFI
Number of programs	1000

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