AMR-100 Elisa Microplate Reader

The AMR-100 Microplate Reader is a reliable and robust instrument for a wide variety of research and clinical applications. It reads various kinds of 96-wells plates, and is equipped with shaking function. It can be used as a stand-alone instrument or under PC control with regular or APP software. It is easy-to-use the software.

AMR-100 Microplate Reader is a 8-channel absorbance microplate reader that provides not only accurate, reproducible and fast measurements, but also offer innovative design with its easy-to-use control and data analysis software. It is ideal for a variety of ELISA applications in the biology laboratory.

Filters:
The AMR-100 Microplate Reader comes with four standard absorbance filters:405, 450, 492, and 630nm. We also supply custom filters at 5~9nm intervals from 340 to 750nm on request.

Software:
AMR-100 keeps with high visual and logical user interface of software, it can be offered a comprehensive inbuilt calculations, such as blank subtraction, quantitative curve fit, quantitative classification and kinetic calculations, as well as the versatile reporting tool and make data reduction.

Features

AMR-100 Highlights

It keeps with high visual and logical user interface of software, it can be offered a comprehensive inbuilt calculation, such as blank subtraction, quantitative curve fit, quantitative classification and kinetic calculations, as well as the versatile reporting tool and make data reduction.

1. Easy to use with 7 inch touch screen together with 3 external keys
2. A broad wavelength range of 340-750nm
3. Able to use individually or connect with PC and export results or a PAD with Android system
4. Absorbance range: 0.0~4.000Abs
5. 8 positions optical filter wheel, equipped with 4 standard optical filters
6. Fast and accurate measurement of 96-well plates within 6 seconds
7. Convenient built-in shaker
8. Wide-format internal thermal graphical printer
9. Wide applicability for life science and clinical laboratories
10. Additional reference channel for optimized light intensity
11. Endpoint, kinetic and multi-label measurements for a variety of applications
12. Shaking with variable time and speed
13. PC software, APP software and built-in software for powerful and validated data analysis

Technical Data

Model	AMR-100
Display	7 inch touch screen (800×480 dots)
Light source	Quartz-halogen lamp 6V/10W
Wavelength	340-750nm
Optical filter	Equipped with filters: 405,450,492,630nm

Half-bandwidth of filters	3~9nm
Read-out range	0~4.000Abs
Linearity (405nm)	0~2.000Abs ≤±1% 2~4.000Abs ≤±2%
Resolution	0.001Abs
Accuracy (405nm)	±1% (0-3Abs) ±2% (3-4Abs)
Precision(405nm)	CV≤0.2% (0-3Abs) CV≤1.0% (3-4Abs)
Test speed	<6s for 96 wells plate
Incubator	No
Shaking	3 modes shaking: slow, medium and fast
User interface	Integrated software or PC control software
Operation	Touch screen, 3 pcs external keys
Storage	200 programs and 100,000 test records
Ports	3 USB ports, for PC, printer and USB-disk
Dimensions(W x D x H)	440 x 295 x 225 mm
Weight	10 kg

Accessories

Code	Description
AS-16050-00	AMR-100 Microplate Reader
AS-16051-01	Optical filter 340nm (Matching)
AS-16051-02	Optical filter 380nm (Standard)
AS-16051-03	Optical filter 405nm (First Matching)
AS-16051-04	Optical filter 415nm (Standard)
AS-16051-05	Optical filter 450nm (Standard)
AS-16051-06	Optical filter 492nm (Matching)
AS-16051-07	Optical filter 540nm
AS-16051-08	Optical filter 570nm
AS-16051-09	Optical filter 578nm
AS-16051-10	Optical filter 590nm
AS-16051-11	Optical filter 595nm
AS-16051-12	Optical filter 630nm (Standard)
AS-16051-13	Optical filter 650nm

AS-16051-14	Optical filter 690nm
AS-16051-25	Halogen lamp
AS-16051-26	Thermal printer
AS-16051-27	Thermal paper