

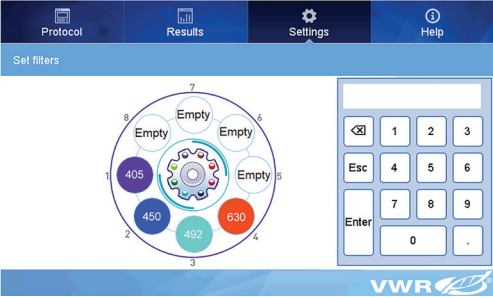
VWR® Microplate Absorbance Reader

VWR® Microplate Absorbance Readers, models VWR1210-000167 and VWR1210-000169, are excellent additions to any laboratory that frequently measures concentration or absorbance in 96-well plates. Featuring a touchscreen control panel and user-friendly software and interface, these instruments are simple to use as standalone devices. There is no need for a separate computer or additional software; however, for labs that prefer to program the instrument from a PC, optional software is available.

Key features:

- 7" Color touchscreen control panel for easy programming
- Filter-based system with a wavelength range of 340 - 750 nm
- Operation as a standalone system with data transfer via USB flash drive
- Absorbance range: 0.0 - 4.000 Abs
- 8-Channel vertical optical path for zero dispersion
- Built-in multispeed plate shaker
- Model VWR1210-000169 includes temperature-controlled plate incubation



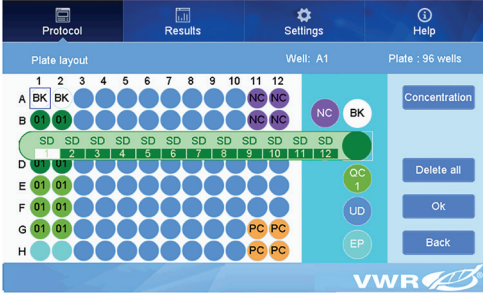


VWR Reader Filter Setting Screen

VWR Microplate Absorbance Readers come with four commonly used filters (405, 450, 492 and 630 nm), and additional filters are available separately to cover the full wavelength range. The integrated filter wheel allows up to eight filters to be loaded at once, making them available for selection during programming.

Programming and operation are simple via the touchscreen control panel or a connected mouse. The menu interface allows users to select wavelength filters, adjust shaking parameters, configure plate layout details and set reading protocols and data calculations. The VWRI210-000169 model provides precise temperature control for plate incubation, with a temperature range from 5 °C above ambient to 50 °C.

These instruments can perform kinetic assays (multiple readings over a period time) and can run assays using two filters for comparison measurements of sample plates. VWR Microplate Absorbance Readers are fully self-contained units with all necessary software and programming integrated. For easy data transfer, a USB port allows quick saving of .csv files, which can be shared, stored or processed on a computer. An additional USB



VWR Reader Graphic Interface

port is available for connecting to a computer, basic printer, or the included mouse.

The intuitive plate layout interface simplifies setup by providing a graphical representation of the 96-well plate. Users can label each well for specific purposes, such as "known standard," "unknown sample," "blank," "QC control," "negative control," "positive control" or "empty," and can label multiple wells at once to save time.

Measurement results, along with calculated analysis and curve fittings, are immediately available on the screen after each reading. The newly available PC software is compatible with Windows, allowing remote programming and control of VWR Microplate Absorbance Readers.

If performance verification or calibration is necessary, this can be arranged through VWR Services. Additionally, for routine in-lab verification, we offer a calibration plate (Cat. No. VWRI210-000139) that features neutral density filters and other tools to ensure accurate calibration.

Ordering information:

Description	Cat. No.
VWR Microplate Absorbance Reader, 96 well, includes 405,450,492 and 630nm filters, 115-230V	VWRI210-000167
VWR Microplate Absorbance Reader,96 well, with incubation, 405,450,492, 630nm filters, 115-230V (Temp control from ambient +5°C to 50°C)	VWRI210-000169
PC Software for VWR Microplate Absorbance Readers	VWRI210-000135
Thermal Printer for VWR Microplate Absorbance Reader, 115V-230V	VWRI210-000136
Printer paper rolls for VWR Microplate Absorbance Reader printer, PK/4	VWRI210-000138
Calibration and Performance Verification Plate for VWR Microplate Absorbance Reader	VWRI210-000139
Filter for VWR Microplate Absorbance Reader, 340nm	VWRI210-000146
Filter for VWR Microplate Absorbance Reader, 520nm	VWRI210-000141
Filter for VWR Microplate Absorbance Reader, 540nm	VWRI210-000145
Filter for VWR Microplate Absorbance Reader, 560nm	VWRI210-000142
Filter for VWR Microplate Absorbance Reader, 562nm	VWRI210-000148
Filter for VWR Microplate Absorbance Reader, 570nm	VWRI210-000150
Filter for VWR Microplate Absorbance Reader, 590nm	VWRI210-000140
Filter for VWR Microplate Absorbance Reader, 595nm	VWRI210-000149
Filter for VWR Microplate Absorbance Reader, 600nm	VWRI210-000147
Filter for VWR Microplate Absorbance Reader, 650nm	VWRI210-000144
Filter for VWR Microplate Absorbance Reader, 750nm	VWRI210-000143

Additional filters are available, contact Avantor for details



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