



MegaQuant™ Wave Spectrophotometer

Start enjoying high-quality wine analysis at your winery



**3 x FREE
Assay Kits with
every purchase**

www.megazyme.com

Offer ends 30th April 2018



The MegaQuant™ Wave is the ideal investment for small wineries or wine laboratories requiring on-site wine analyses: a robust, compact spectrophotometer at a highly competitive price.

- ◆ Fully automated calculation of results, even accounting for individual sample dilution
- ◆ Pre-installed protocols for use with an extensive range of **Megazyme test kits**
- ◆ Ease of use with on-board step-by-step instructions and touchscreen interface
- ◆ Operates as a standard spectrophotometer in absorbance mode (*MegaCalc™* compatible)
- ◆ Sequential reactions accommodated by offering up to four absorbance readings per sample
- ◆ Available as a standalone analyser or as part of the **MegaQuant™ Wave Starter Pack**
- ◆ Optional half-volume assays when using Megazyme kits, doubling the number of assays possible per kit.



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Assay Protocols and Technical Specifications

The MegaQuant™ Wave is supplied with an extensive range of pre-installed protocols covering most of Megazyme's manual format assay kits, including the following kits for wine analysis:

Organic Acid Analytes

Acetic Acid:	K-ACETRM, K-ACET
Ascorbic Acid:	K-ASCO
Citric Acid:	K-CITR
Gluconic Acid:	K-GATE
Lactic Acid:	K-DATE, K-DLATE, K-LATE
Malic Acid:	K-DMAL, K-LMAL
Succinic Acid:	K-SUCC
Tartaric Acid:	K-TART

Other Analytes

Acetaldehyde:	K-ACHYD
Ethanol:	K-ETOH
Glycerol:	K-GCROL, K-GCROLGK
Nitrogen:	K-AMIAR, K-LARGE, K-PANOPA
Reducing Sugars:	K-FRUGL
Sulphites:	K-SULPH, K-FSULPH, K-TSULPH, K-ETSULPH

The full list of Megazyme assay kits with pre-installed protocols can be found on our website: over 60 kits at the time of printing, and continually expanding.

Software

Speed:	Reads, calculates and prints results, 3 sec per tube. Capable of up to 4 absorbance readings per sample to accommodate sequential reactions.
Calculation Modes:	Single point calibration by standard or factor, multipoint calibration with point-to-point curve fit, rate by standard or factor (batch or singular). Calculation mode able to account for sample dilution.
Test Menu:	120 open channels to store protocols. Supplied with pre-installed protocols for Megazyme test kits. Stores all parameters including wavelengths, calculations, unit codes, linear and normal ranges, rate timing, standard values, test names and previous standard curve.

Photometric

Linear Measurement Range:	Tube or Cuvette 0.0 to 3.0 Absorbance Units (A).
Photometric Accuracy:	+/- (1% of the reading + 0.005A).
Stability:	Drift of no more than 0.005A in 8 h/bichromatic.
Light Source:	Tungsten lamp with lamp saver feature.
Standard Wavelengths:	340, 405, 505, 545, 580 and 630 nm (alternate filters available)
Filter Type:	IAD hardcoat interface, 10 nm half bandpass.
Tube Size:	12 mm round is standard.
Minimum Sample Volume:	1 mL for 12 mm round tube. 250 µL for flowcell.

Electronic

Display:	Interactive touch-screen 3.5" LCD, colour graphic display.
Printer:	Thermal dot matrix, with graphic capability.
Power Requirements:	115V or 230V AC, 1.5A, 50-60Hz (universal input).
Interface:	USB mouse (option).

Other

Temperature Control:	Read cell and incubation block, user selectable.
Enclosure:	Painted flame-retardant ABS plastic cover and base.
Dimensions:	Approx. 9 x 13.5 x 5 in (24 x 34 x 13 cm), weighs 6.5 lbs (3 kg).
Certifications:	NRTL listed, CE mark.

