



## MegaQuant™ Wave Spectrophotometer (Chemistry Analyzer)

- A low cost, compact, robust, standalone spectrophotometer
- Pre-installed protocols for use with an extensive range of **Megazyme test kits**
- Fully automated data analysis with exclusive software capable of performing sequential reactions
- Twice as many tests using **Megazyme test kits** (option to use half assay volumes)
- Suitable for low sample numbers/small laboratories/wineries

### Also available as the “MegaQuant™ Wave Starter Pack”

- Includes all equipment and accessories needed for immediate sample analysis
- MegaQuant™ Wave, pipettes, sample tubes, volumetric flasks, timer, PVPP tablets, filtration apparatus

MegaQuant™ Wave (Cat. no. D-MQWAVE-1)  
MegaQuant™ Wave Starter Pack (Cat. no. D-MQWAVE-2)



# MegaQuant™ Wave Spectrophotometer

## Pre-installed Megazyme Protocols:

- Acetic Acid (K-ACET/K-ACETRM)
- Available Carbohydrates/Dietary Fiber (K-ACHDF)
- Acetaldehyde (K-ACHYD)
- Ammonia (K-AMIAR)
- α-Amylase (K-CERA/K-AMYLSD)
- β-Amylase (K-BETA3)
- Arabinan (K-ARAB)
- L-Arabinose (K-ARGA)
- L-Arabitol (K-MANOL)
- L-Arginine/Urea/Ammonia (K-LARGE)
- Ascorbic Acid (K-ASCO)
- Aspartame (K-ASPTM)
- Cellulase (K-CellG3/K-CellG5)
- Citric Acid (K-CITR)
- Ethanol (K-ETOH)
- Formic Acid (K-FORM)
- D-Fructose/D-Glucose (K-FRUGL)
- L-Fucose (K-FUCOSE)
- D-Galactose (K-ARGA)
- Malt β-Glucanase (K-MBG4)
- D-Gluconate/D-Glucono-δ-lactone (K-GATE)
- D-Glucosamine (K-GAMINE)
- D-Glucose (K-GLUHK/K-GLUC)
- D-Glucuronic/D-Galacturonic Acid (K-URONIC)
- α-Glucuronidase (K-AGLUA)
- L-Glutamic Acid (K-GLUT)
- Glycerol (K-GCROLG/K-GCROL)
- D-3-Hydroxybutyric Acid (K-HDBA)
- *myo*-Inositol (K-INOSL)
- D-Isocitric Acid (K-ISOC)
- D-Lactic Acid (K-DATE)
- L-Lactic Acid (K-LATE)
- D-/L-Lactic Acid (K-DLATE)
- Lactulose (K-LACTUL)
- Lichenase (K-MBG4)
- Limit-Dextrinase (K-PullG6)
- D-Malic Acid (K-DMAL)
- L-Malic Acid (K-LMAL)
- D-Mannitol (K-MANOL)
- D-Mannose/D-Fructose/D-Glucose (K-MANGL)
- Primary Amino Nitrogen (K-PANOPA)
- Pullulanase (K-PullG6)
- Pyruvic Acid (K-PYRUV)
- L-Rhamnose (K-RHAMNOSE)
- D-Sorbitol (K-SORB)
- Total Starch HK (K-TSHK)
- Succinic Acid (K-SUCC)
- Free Sulfite (K-SULPH)
- Total Sulfite (K-SULPH/K-TSULPH/K-ETSULPH)
- Tartaric Acid (K-TART)
- Trehalose (K-TREH)
- Urea/Ammonia (K-URAMR) (SEQ)
- Xylanase (K-XylX6)
- Xylitol (K-SORB)
- D-Xylose (K-XYLOSE)

.....and continually expanding.

## Technical Specifications

Linear Measurement Range:

Photometric Accuracy:

Stability:

Light Source:

Standard Wavelengths:

Filter Type:

Tube Size:

Minimum Sample Volume:

Display:

Printer:

Power Requirements:

Interface:

Speed:

Calculation Modes:

Test Menu:

Temperature Control:

Enclosure:

Dimensions:

Certifications:

### Photometric

Tube or Cuvette - 0.0 to 3.0 Absorbance Units (A).

+/- (1% of the reading + 0.005A).

Drift of no more than 0.005A in 8 h/bichromatic.

Tungsten lamp with lamp saver feature.

340, 405, 505, 545, 580 and 630 nm.

(alternate filters available from 340 to 700 nm).

IAD hardcoat interface, 10 nm half bandpass.

12 mm round is standard.

1 mL for 12 mm round tube. 250 µL for flowcell.

### Electronic

Interactive touch-screen 3.5" LCD, colour graphic display.

Thermal dot matrix, with graphic capability.

115V or 230V AC, 1.5A, 50-60Hz (universal input).

USB mouse (option).

### Software

Exclusive custom software capable of up to 4 absorbance reads per sample to accommodate sequential reactions.

Reads, calculates and prints results, 3 sec per tube.

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 factor.

120 open channels to store protocols.

Stores all parameters including wavelengths, calculations, unit codes, linear and normal ranges, rate timing, standard values, test names and previous standard curve.

Supplied with pre-installed protocols for Megazyme test kits.

### Other

Read cell and incubation block, user selectable.

Painted flame-retardant ABS plastic cover and base.

Approx. 9 x 13.5 x 5 in. (24 x 34 x 13 cm) weighs 6.5 lbs. (3 kg).

NRTL listed, CE mark.

