MegaQuant™ Wave Starter Pack

Everything your winery needs for in-house analysis

Three reasons why your winery needs to start testing in-house

1. Cost saving

Running a test in-house is, on average, **88% cheaper** (per test) than sending it to an external laboratory.

2. Rapid results

Our wine test kits produce a reaction in as little as 3 minutes, allowing you to respond to the **results in real time** - unlike the 2-3 day turnaround for results from a laboratory.

3. Flexibility

With your own testing facility, you can test as frequently as needed, not just at crucial stages of production. This allows you to check samples within the same vintage as well as between batches.

The MegaQuant™ Wave is the most versatile and cost-effective analyser for small wineries, while Megazyme test kits provide unparalleled quality, reliability, stability, and value for money.

US distributor
www.bsgwine.com

Megazyme product code: D-MQWAVE-2
www.megazyme.com

The **MegaQuant™ Wave Starter Pack** includes everything you need to start using Megazyme's bestselling test kits at your winery.

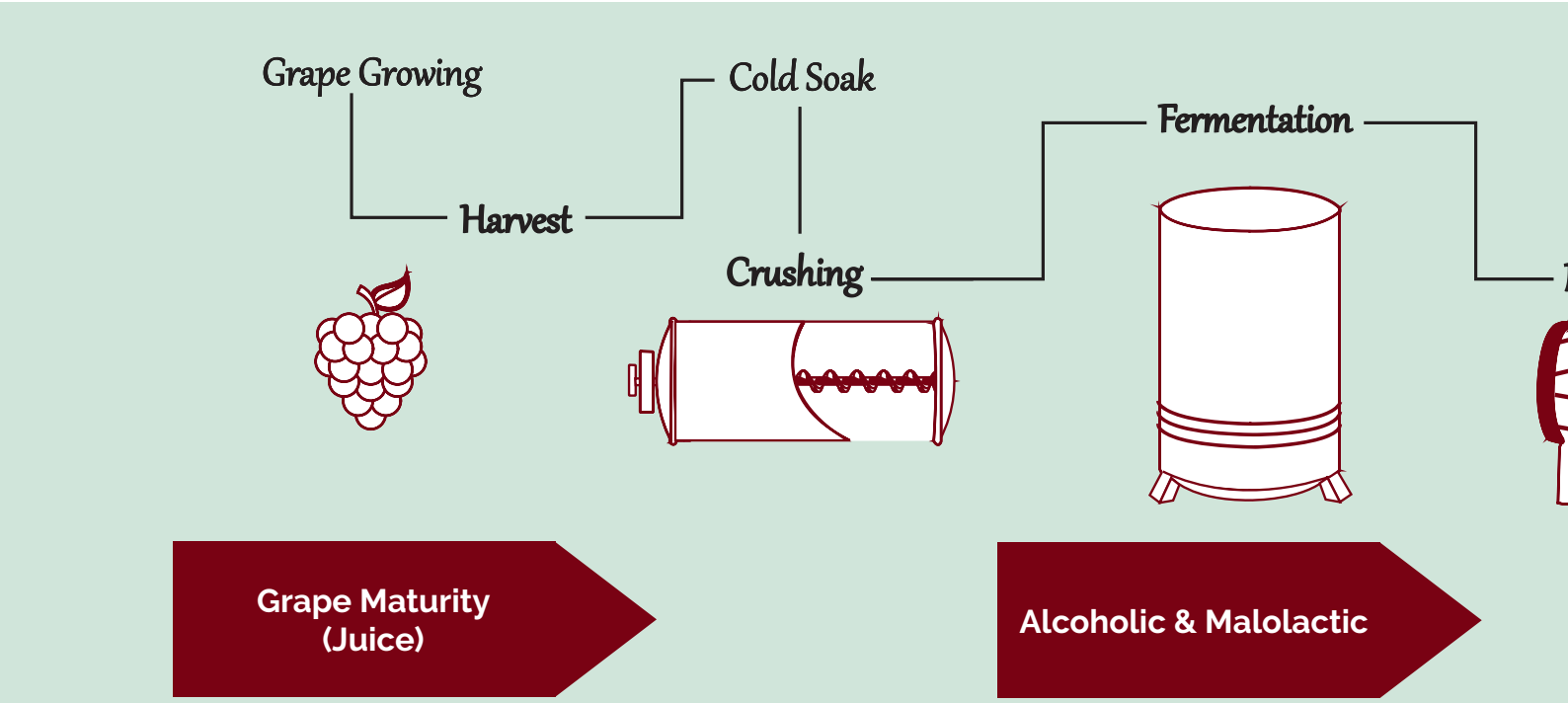
Our market-leading wine assay kits are recognised internationally for their research-driven novel methods and their exceptional component purity.

That means precise results every time, using top-quality test materials and cutting-edge techniques.

The table opposite shows just how cost-effective in-house testing is for users in the wine industry: savings quickly offset the initial cost of laboratory equipment.

Starter Pack Contents

MegaQuant™ Wave Spectrophotometer	Test tube rack	Megazyme timer
	PVPP Tablets	Filter Papers
Top-of-the-range **Gilson Pipetman** Kit (Pipette P20, P200, P1000)	Polypropylene tubes 13 mL & 30 mL	Plastic Funnels
Test tubes for MegaQuant Wave	100 mL Volumetric flasks	...plus your choice of **Megazyme kit**



Analyte	Product Code
D-Fructose/D-Glucose	K-FRUGL, K-FRGLQR
Nitrogen (YAN)	K-LARGE, K-AMIAR, K-PANOPA
Sulphites	K-TSULPH
Organic Acid Analyte	**Product Code**
Acetic acid	*multiple options*
Gluconic acid	K-GATE
Malic acid	*multiple options*
Tartaric acid	K-TART

Analyte	Product Code
Nitrogen (YAN)	K-LARGE, K-AMIAR, K-PANOPA
Ethanol	K-ETOH
D-Fructose/D-Glucose	K-FRUGL, K-FRGLQR
Sulphites	*multiple options*
Organic Acid Analyte	**Product Code**
Acetic acid	*multiple options*
L-Lactic acid	K-LATE
L-Malic acid	*multiple options*
Tartaric acid	K-TART

User experiences with the MegaQuant Wave

The wine laboratory is as important to the success of a winery as any other element.... In my laboratory I have run acetic acid, L-malic acid, glucose, fructose, SO_2 free and total tests on [the MegaQuant Wave]. Every one of the test results came well within the standards expected for any wine analysis. The precision of the tests was excellent.

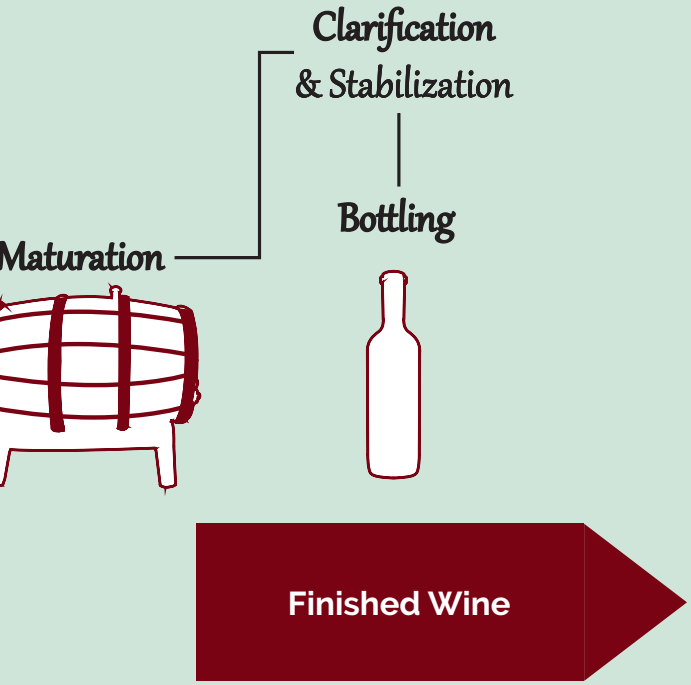
- Richard Carey PhD, writing in *Wines and Vines*

Our revolutionary MegaQuant™ Wave Spectrophotometer is a compact, standalone benchtop analyser which is perfect for medium and small wineries.

Analyte	Cost per Test
Sulphites	$2.06
Acetic Acid	$3.27
Acetaldehyde	$3.28
Reducing Sugars	$2.15
Malic Acid	$2.07
Nitrogen (Ammonia)	$1.81
Nitrogen (PAN)	$1.62
Tartaric Acid	$1.08

Exclusive, customised software means that the MegaQuant™ Wave is supplied with pre-installed protocols for Megazyme test kits including fully automated calculation of results. This allows you to start testing from the day of delivery.

Every Megazyme kit is shipped with full instructions for sample preparation and assay procedure. Paired with the MegaQuant™ Wave's step-by-step onboard instructions, Megazyme makes wine analysis straightforward.



Test kits for use with the MegaQuant™ Wave spectrophotometer

Megazyme has developed assay kits for a wide range of components found in beverages and food, including 14 analytes that are of particular interest to the wine industry.

The boxes below show the measurements that can be taken at different stages in the wine production process.

Analyte	Product Code	Organic Acid Analyte	Product Code
Acetaldehyde	K-ACHYD	Acetic acid	*multiple options*
Ammonia	K-AMIAR	Ascorbic acid	K-ASCO
Ethanol	K-ETOH	Citric acid	K-CITR
D-Fructose/D-Glucose	K-FRUGL, K-FRGLQR	D-Gluconic acid	K-GATE
Glycerol	K-GCROL	L-Malic acid	*multiple options*
Sulphites	*multiple options*	Succinic acid	K-SUCC
		Tartaric acid	K-TART

Testing In-House: How to Get Started

Megazyme offers a complete wine laboratory straight out of the box - ideal for wineries that want to establish a comprehensive and high-quality analytical capability in-house. *All you need is water and wine.*

Is the MegaQuant™ Wave Starter Pack right for your winery?

- Quicker and cheaper than any external wine laboratory
- Analysis-ready straight out of the box
- All associated equipment included
- Perfect for use with Megazyme test kits
- Pre-programmed with protocols for all Megazyme wine tests
- Step-by-step instructions for every test

From day 1, setting up an in-house laboratory means quicker and cheaper test results available at a moment's notice - without compromising on precision.

Our loyal customers include some of the biggest names in the wine industry. It's easy to see why: Megazyme kits give you access to internationally-approved and industry-standard methods at an extremely competitive price.

Even accounting for the investment in test equipment, in-house analysis with Megazyme generates savings by the 100th assay - for wineries of any size.

Price per assay compared: in-house testing with Megazyme vs two leading wine laboratories

Analyte	Megazyme	Lab 1	Lab 2
Acetaldehyde	$ 3.28 / 0.33	$ 110.00	$ 64.00
Acetic Acid	$ 3.27 / 0.33	$ 26.00	
Ammonia	$ 1.81 / 0.18	$ 28.00	
Ethanol	$ 2.82 / 0.28	$ 120.00	
Glucose	$ 2.15 / 0.22	$ 26.00	$ 17.00
Glycerol	$ 2.16 / 0.21	$ 180.00	
L-Lactic Acid	$ 2.94 / 0.29	$ 30.00	$ 32.00
L-Malic Acid	$ 2.54 / 0.25	$ 26.00	$ 17.00
Sucrose/Glucose	$ 0.85	$ 63.00	
Free Sulphite	$ 2.06 / 0.21	$ 22.00	$ 16.00
Total Sulphite	$ 2.06 / 0.21	$ 18.00	$ 38.00
Tartaric Acid	$ 1.08 / 0.11	$ 18.00	$ 24.00

BSG Wine Division

Start enjoying high-quality wine chemistry at your winery!

Megazyme