

Tartaric Stability Analyzer



EasyCheck

Steroglass is exclusively distributed in the USA for oenology by BioSystems/Admeo





Simplicity
& Precision!

In Oenology

Tartaric stability is related to the precipitation phenomena generated by salts and tartaric acid in wine. These substances, always present in grapes, can cause the precipitation of potassium bitartrate when the potassium concentration is too high to remain dissolved.

Precipitation is a slow process that occurs in the cellar after (or during) the fermentation of the must, or directly in the bottle. It does not cause any organoleptic damage to the wine; however, it is not always visually appreciated by consumers in an increasingly demanding market.

Automatic System

EasyCheck is an automatic system that measures the tartaric stability of wine. It is fully equipped and requires only electricity for operation and sample cooling. Easy to use, it provides fast and reproducible stability measurements. Analysis reports are automatically stored in the database and can be exported to a PC via Wi-Fi.

Stability & Precision

EasyCheck enables the precipitation of potassium tartrate simply by adding THK as a crystallization activator.

Wine stability measurements are performed by determining the conductivity delta (initial conductivity - final conductivity) under different temperature conditions.



Features

The thermostating process is carried out via a Peltier effect system composed of 4 cells. This allows much faster cooling than water or air baths, thus reducing analysis time.

EasyCheck ensures greater isothermal character during the test, maintained over time compared to water/air bath analyzers ($\pm 0.05\text{ }^{\circ}\text{C}$ vs. $\pm 0.5\text{ }^{\circ}\text{C}$). Temperature with μS is a key parameter for tartaric stability analysis.

Requires no maintenance.

The software allows:

- Infinite function calculations for all analyses
- Extended precipitation time during analysis, if needed
- Complete wine characterization:
 - Isothermal: Cold resistance at a specific temperature preset by the operator
 - ST: Saturation temperature
 - TSS: Stable saturation temperature
 - TCC: Critical crystallization temperature
 - SSS: Stable supersaturation zone
 - Calcium stability: innovative and precise test
- Connectivity:
 - LIMS interface
 - Remote monitoring via Android app
 - QR code to directly connect to the IP address

Time Reduction
Stability
Precision
Connectivity

Technical Specifications

GENERAL FEATURES

Dimensions (WxHxD)	21 x 20 x 43 cm
Weight	8 kg

SPECIFIC FEATURES

Conductivity meter	Sensitivity $\pm 2 \mu\text{S/cm}$ in isothermal mode; measuring range $\div 4000 \mu\text{S/cm} \pm 2 \mu\text{S/cm}$
Thermometer	Sensitivity 0.01°C / Accuracy 0.1°C Measuring range: -30°C to $+50^\circ\text{C}$
Analysis chamber volume	25ml avec agitateur magnétique
Integrated computer	ARM 4-core CPU 1.4 GHz or higher



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BioSystems S.A.
Costa Brava 30, 08030 Barcelona (Spain)
t. +34 933 110 000
www.biosystems.global
foodbeverage@biosystems.global