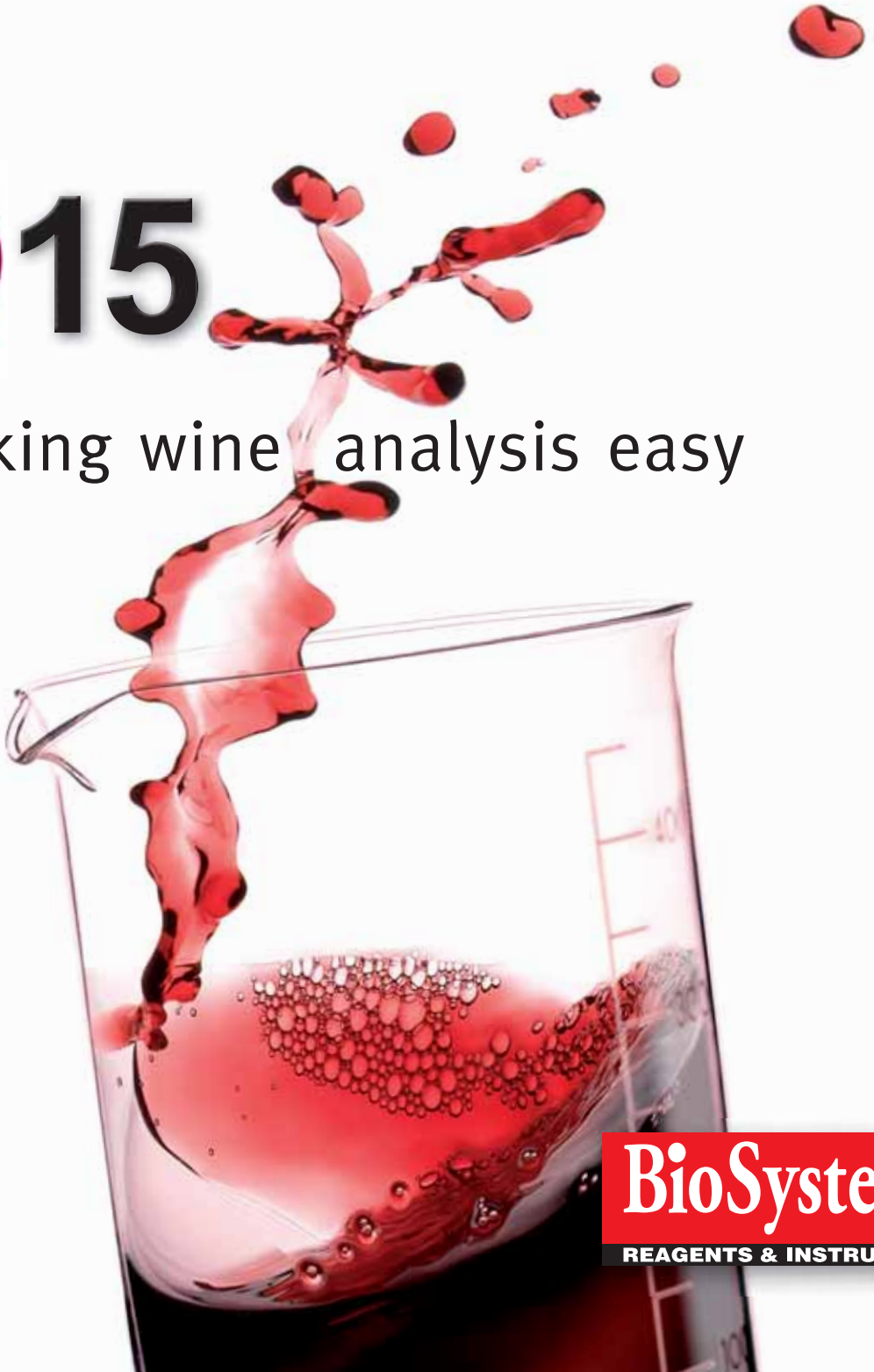
15

Making wine analysis easy

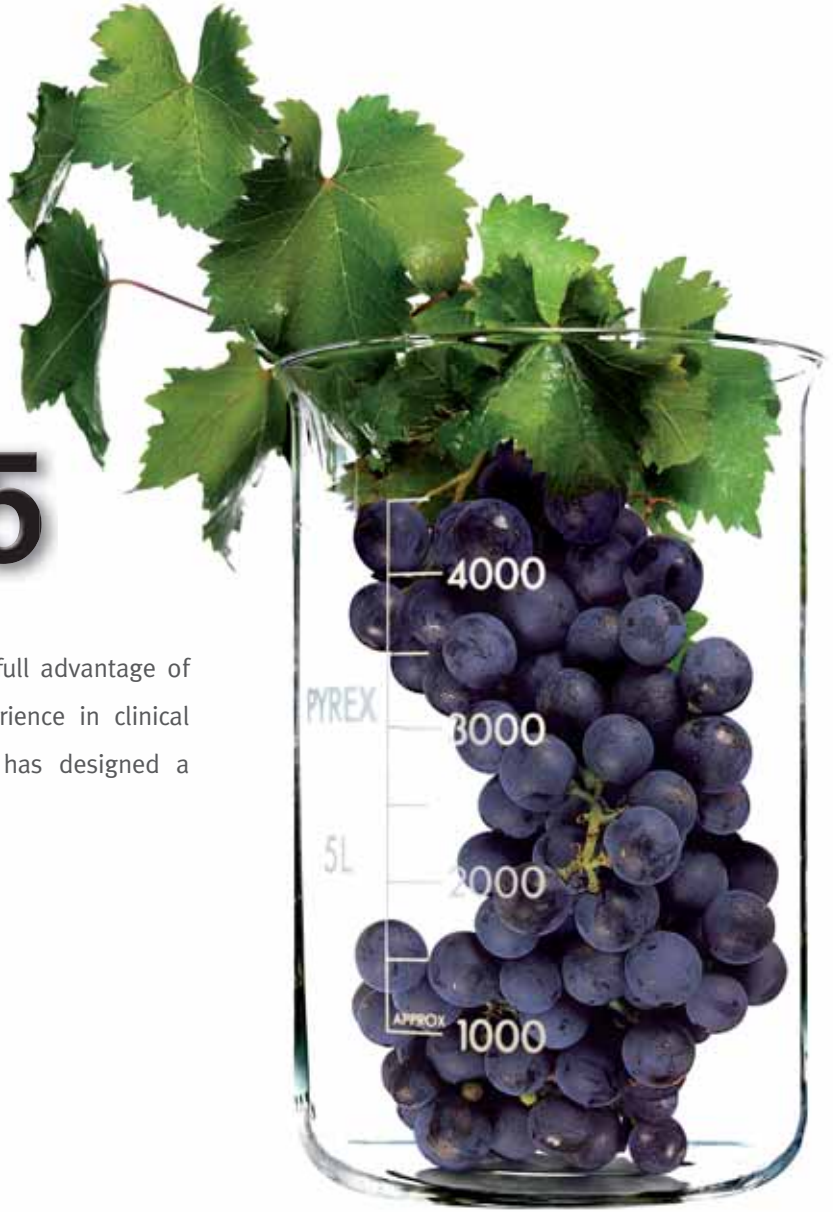


BioSystems

REAGENTS & INSTRUMENTS

15

Wineries can now take full advantage of Biosystemsí broad experience in clinical diagnosis, as the firm has designed a **wine analysis system.**



RANDOM ACCESS ANALYZER

Y15

Y15 represents a radical shift in how wineries operate, as it easily and effectively automates analyses to ensure top quality.

Y15

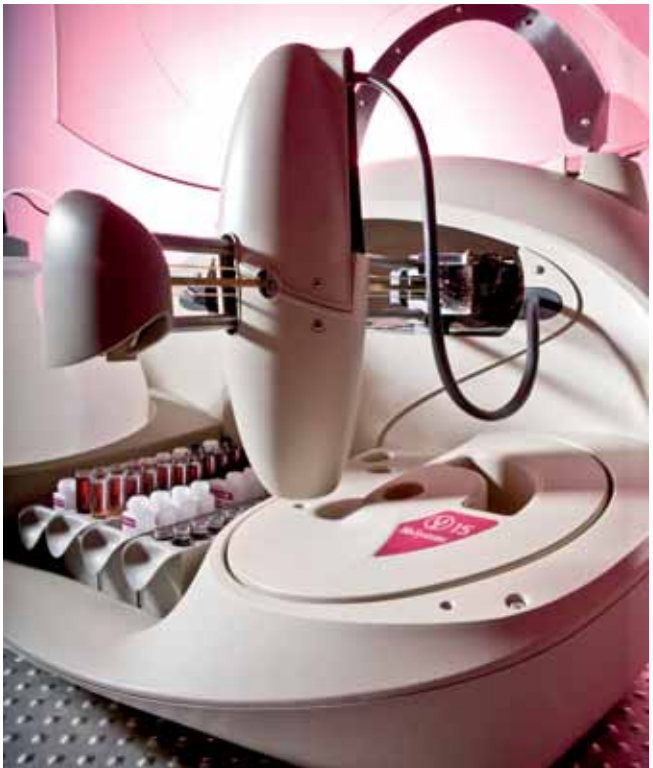
Y15 provides winemakers with comprehensive information throughout the entire wine production process.

Y15 is an automatic analyzer designed for enology laboratories.

Regardless of the final product (wines and spirits, liqueurs, sparkling or sweet wines, beers and ales, etc), the analyzer offers multiple setup possibilities to readily adapt to the clientís needs.

Y15 is a smart investment.

Together with Biosystemsí line of reagents, the system optimizes the use of laboratory resources. Y15 is a complete, turnkey system that ensures first-class performance.



BioSystems

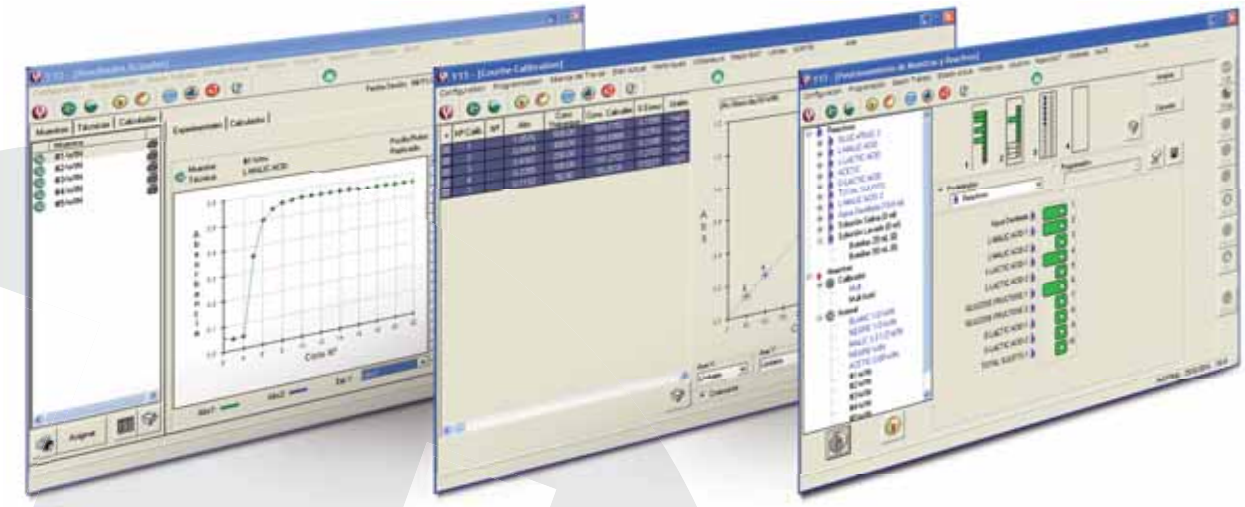
Y15 is an open system that allows the equipment to monitor the entire vinification process and adjusts to the various sample types that must be analyzed by winemakers.

Small reagent and sample volumes per assay, low water consumption, and minimal maintenance help to reduce laboratory operating costs.

Continuous sample and reagent loading streamlines the laboratory process by adapting to the different volumes of work required by the seasonal nature of the wine (industry).

Quality control during the manufacturing process of the analyzer and the reagents allows us to ensure utmost reliability of the results.

BioSystems



Monitoring of the reaction curve

Multiple calibration possibilities

Sample and reagent positioning

The software has been custom-designed for this kind of analysis and various filter grades (420, 480, 520 and 620 nm) are included, which makes the Y15 a unique analyzer for highly reliable wine testing.

The techniques are preprogrammed and validated by the Biosystems R&D Department to ensure minimal user involvement, thus facilitating the winemakerís work from the start.

The simple, user-friendly interface and open-source programming of the software make the Y15 a versatile analyzer that can be adapted to any need.

ENOLOGY

The dedicated reagents were designed in parallel with the Y15 to optimize performance and offer an all inclusive system unique to the market.

- **Minimal handling**
- **Fast and convenient**
- **Reagent cost savings**

Kits	Present.
D-Glucose/D-Fructose	120 mL
D-Lactic Acid	100 mL
L-Lactic Acid	100 mL
L-Malic Acid	100 mL
Total Sulfite	80 mL
Primary Amino Nitrogen	100 mL
Tartaric Acid	80 mL
Ammonia	100 mL
Acetic Acid	100 mL
D-Gluconic Acid	100 mL
Glycerol	100 mL
Free Sulfite	80 mL
Copper	100 mL
Acetaldehyde	100 mL
Color	80 mL
Polyphenols	80 mL

- **Liquid reagents**
- **Long-term reagent and calibration stability**
- **Utmost reliability**
- **Liquid calibrator included in the kit**
- **Direct photometric reading on reaction rotor**

TECHNICAL FEATURES

Random access automatic analizer aimed at giving results per patient.

Photometric reading directly in the reaction rotor

Throughput	150 test/hour
Positions for racks	4
Samples for rack	24
Max. number of samples	72
Samples tube	ø13 mm, ø15 mm (max. height100 mm) cups ø13 mm
Reagents per rack	10
Max. number of reagents	30
Reagents bottles	20 mL and 50 mL
Reagent volume (program)	10 µL - 550 µL
Sample volume (program)	3 µL - 80 µL
Reusable methacrylate rotor	
Number of wells	120
Automatic pre and post dilution	
Reaction volume range	200 µL - 800 µL
Measurement range	from - 0,05 a 3,3 A
Filter configuration	340, 405, 420, 480, 520, 560, 600, 620, 635 nm
Physical dimensions	840 x 670 x 615 mm (long x wide x height)
Weight	45 kg (100 lb)

BioSystems
REAGENTS & INSTRUMENTS

Manufactured by: **BioSystems S.A.**
Costa Brava 30, 08030 Barcelona (Spain)
Tel. +34-93 311 00 00 Fax +34-93 346 77 99
biosystems@biosystems.es www.biosystems.es

CE

www.tuv.com TÜVRheinland ID:0091006696

- Certified Management System
- EN ISO 9001
- EN ISO 13485