

# Flow into the next level of quality control

Fast and reliable  
Brettanomyces  
spoiler monitoring



# Unpleasant taste or smell?

At the ageing stage, wines are prone to a well-known threat to quality: contamination by *Brettanomyces bruxellensis* yeast. Without early detection of *Brettanomyces*, the production of undesirable volatile compounds with unpleasant aromas can mask or affect a wine's bouquet.

If detected early enough, swift corrective actions can be made to ensure the sensory quality of the wine is maintained.

## Assurance of quality in wine production – with CyFlow™ BrettCount

Sysmex offers a complete and integrated solution to monitor *Brettanomyces* spoilage that is a highly specific and automated detection system and enables fast and reliable quality control testing. It allows for the detection of these spoilers faster and with less effort than the classic culture method. In addition, it detects viable but non-culturable (VBNC) *Brettanomyces*, which cannot be detected with plate culture.

CyFlow BrettCount directly counts living yeast cells, therefore results are not affected by inhibiting factors that may lead to an underestimation in other techniques. CyFlow BrettCount may also help avoid false-positive results that can occur when using molecular biological methods such as quantitative polymerase chain reaction (qPCR), in which stable fragments of DNA from dead yeast are amplified.

Sysmex's solution includes the Cube 6 V2m, the optional Robby Autoloading station, The CyFlow BrettCount test kit and vermicon identification technology (VIT®) gene probe technology.

CyFlow BrettCount helps to recognize and prevent *Brettanomyces* contaminations.

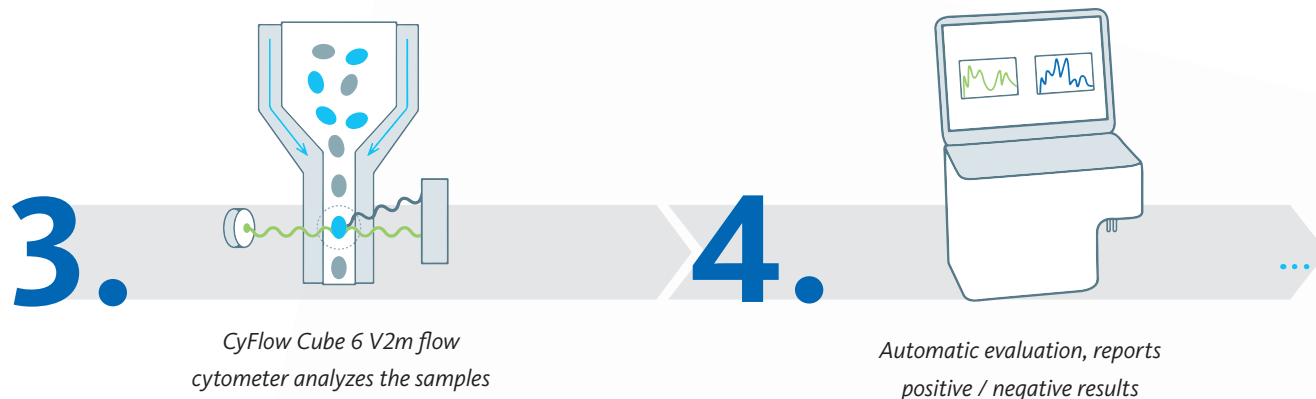
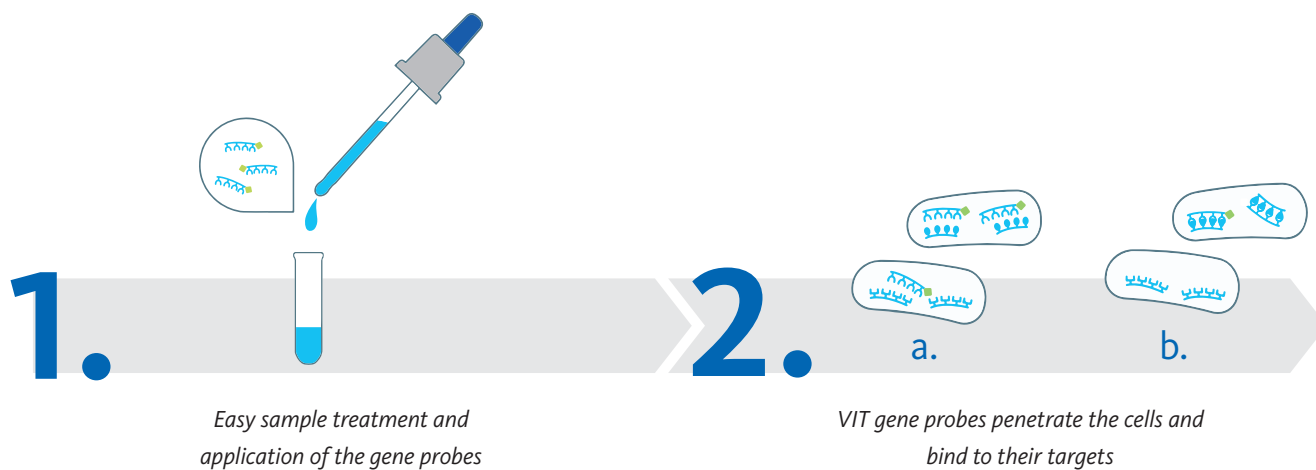
## The Complete Sysmex Solution

CyFlow Cube 6 V2m with  
CyFlow BrettCount reagent kit



# Fast & easy workflow

The workflow is fast and easy and allows for the highly specific detection of living microorganisms in a short time, including an automatic evaluation.



Final evaluation in as little as  
**3 minutes**



# CyFlow BrettCount – the next level of microbiological analysis

The Sysmex complete, integrated solution is the perfect combination of VIT gene probe technology and flow cytometry. CyFlow BrettCount improves microbiological quality control, allowing for fast and cost-effective microbiological monitoring of production processes.



## Benefits

- Highly specific
- Low limit of detection
- Counts only living yeast
- Rapid and clear-cut release decisions
- Automated read-out of the results
- Reliable results even on challenging samples
- Easy handling
- Perfect for routine analysis
- Installation and Operational Qualification (IQ/OQ) protocols

## A partnership to deliver new microbiological testing solutions

CyFlow BrettCount has been developed in a collaboration between vermicon AG, known for its expertise in industrial microbiology applications, and Sysmex Partec GmbH, a pioneer in flow cytometry measurement technologies.

Through this partnership, we strive to create more effective and economical solutions for industrial microbiology testing.

[sysmex.com/flowcytometry](https://www.sysmex.com/flowcytometry)

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Program availability varies by location. Programs and specification subject to change without notice.

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