



# GeneDisc® Method for Spoilage Yeast in Beverages: A Guide to Testing Strategies

## Benefits

<b>Accelerated decision-making</b>	Enables early preventive controls to reduce cost of product scrap, product recall or additional product processing related to product spoilage. Speeds up batch release to reduce storage cost.
<b>Fast corrective actions implementation</b>	Reduces negative financial impact of spoilage once detected with rapid root cause analysis.
<b>Adaptable informative method designed for beverage industries</b>	Gets relevant information with two GeneDisc Plates (Yeast Screening and Yeast ID) and three testing strategies (analysis with enrichment, direct monitoring, and <i>Brettanomyces</i> quantification).
<b>Reduced hands-on cost</b>	Ease of use and yeast identification information simplifies testing workflows and on-site implementation.

## Assess Contamination in 2 hours

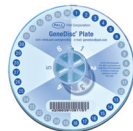
Cell concentration



Cell lysis



PCR analysis



### Technical Information

Sensitivity	Filterable samples: As low as 1 cell/mL Unfilterable samples: As low as 85 cells/mL
Time to Results	Reduced to 2 hours
Plate Options	<ul style="list-style-type: none"> <li>• Yeast Screening</li> <li>• Yeast ID for identification of the 12 major spoilage yeast genera and species simultaneously</li> </ul>
Internal Positive Control	To ensure result accuracy, each sample analysis includes an internal positive control.

**When quick results are your priority**

## Reach High Sensitivity

Enrichment



Cell lysis



PCR analysis



### Technical Information

Sensitivity	Down to 1 cell / sample
Enrichment	As low as 28 hours
Time to Results	Enrichment time + 2 hours
Plate Options	<ul style="list-style-type: none"> <li>• Yeast Screening</li> <li>• Yeast ID for identification of the 12 major spoilage yeast genera and species simultaneously</li> </ul>
Internal Positive Control	To ensure PCR result accuracy, each sample analysis includes an internal positive control.

**When precise information is your priority**

## Monitor *Brettanomyces* Level in 2 hours

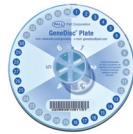
Cell  
concentration



Cell  
lysis



PCR  
analysis



### Technical Information

Quantified Targets	<i>Brettanomyces</i> spp. and <i>Brettanomyces bruxellensis</i>
Sample Types	Designed for wine process samples from grape must to bottling
Sensitivity	As low as 1 cell /mL
Quantification Range	As low as 1 to 100,000 cells/mL
Time to Results	Reduced to 2 hours
Detected Targets	Allows simultaneous detection of 10 additional spoilage yeast genera and species
Internal Positive Control	To ensure result accuracy, each sample analysis includes an internal positive control.

**To preserve wine sensory characteristics**



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