



Ampliora 8.1 Beer Yeast Plus SPID

Ready-to-use multiplex real-time PCR kit for the qualitative detection of *Brettanomyces bruxellensis*, *Brettanomyces* spp., *Pichia* spp., *Saccharomyces cerevisiae*, *Saccharomyces cerevisiae* var. diastaticus, *Saccharomyces* spp., *Zygosaccharomyces bailii/parabailii*, and *Zygosaccharomyces* group in beer samples.

INTENDED USE

Qualitative detection of spoilage yeast *Brettanomyces bruxellensis*, *Brettanomyces* spp., *Pichia* spp., *Saccharomyces cerevisiae*, *Saccharomyces cerevisiae* var. diastaticus, *Saccharomyces* spp., *Zygosaccharomyces bailii/parabailii*, and *Zygosaccharomyces* group (*Zygosaccharomyces bailii*, *Zygosaccharomyces parabailii* y *Zygosaccharomyces rouxii*) in beer samples. Intended for use in high or low complexity microbiology laboratories.

MAIN INDUSTRIES



Breweries



Microbiology
laboratories

PRINCIPLE

Ampliora 8.1 Beer Yeast Plus SPID is a real-time PCR kit for detecting spoilage yeast in DNA recovered from enriched or filtrated beer samples. Yeasts are detected using fluorescent probes for the specific recognition of each sequence.

TABLE 1. TECHNICAL SPECIFICATIONS

Microorganisms	<i>Brettanomyces bruxellensis</i> , <i>Brettanomyces</i> spp., <i>Pichia</i> spp., <i>Saccharomyces cerevisiae</i> , <i>Saccharomyces cerevisiae</i> var. diastaticus, <i>Saccharomyces</i> spp., <i>Zygosaccharomyces bailii/parabailii</i> , and <i>Zygosaccharomyces</i> group (<i>Zygosaccharomyces bailii</i> , <i>Zygosaccharomyces parabailii</i> y <i>Zygosaccharomyces rouxii</i>).
Sensitivity	Pre-enrichment: 10 ⁰ – 2x10 ¹ CFU/per sample Post enrichment: 1x10 ³ – 4x10 ³ UFC/per sample
Limit of detection (LoD)	Yeast 1: 5x10 ¹ – 5x10 ² CGE/μL Yeast 2: 5x10 ⁰ – 5x10 ¹ CGE/μL
Validated matrices	Beer samples
Time	PCR: ~103 minutes
Technology	Real-time multiplex PCR
Detection chemistry	Fluorescent probes Yeast 1: Detection channel FAM [<i>Zygosaccharomyces</i> group], HEX [<i>Saccharomyces cerevisiae</i>], ROX [<i>Saccharomyces</i> spp.], Cy5 [<i>Zygosaccharomyces bailii/parabailii</i>] and Cy5.5 [Internal control]. Yeast 2: Detection channel FAM [<i>Brettanomyces</i> spp.], HEX [<i>Brettanomyces bruxellensis</i>], ROX [<i>Pichia</i> spp.], Cy5 [Internal Control] and Cy5.5 [<i>Saccharomyces cerevisiae</i> var. diastaticus].

KIT CONTENT

- 24 preloaded PCR strips (12 strips of Yeast 1 and 12 strips of Yeast 2)
- 2 tubes of positive control TAAG SpoilYeast – 100 μL
- 2 tubes of negative control – 352 μL

STORAGE

- Store between -25°C and -15°C
- Shelf life: 6 months
- Protect from direct light exposure

AWARDS AND CERTIFICATIONS

- Manufactured under ISO 13485:2016 certified quality management system

ORDER INFORMATION

Catalog #	Product	Size
V-SF64	Ampliora 8.1 Beer Yeast Plus SPID	24 PCR strips 100 µL - 96 reactions

ORDER INFORMATION - ADDITIONAL SUPPLIES

Catalog #	Product	Size	Description
V-EQ30	Nucleia 4 Bacteria, Yeast and Molds	4 bottles - 12 mL resuspension solution 96 tubes - Tube A 2 bottles - 12 mL lysis buffer	Extraction kit for spoilage bacteria and yeast in wine and beer samples.

This product is subject to TAAG Technologies' Terms and Conditions, which you can find at <http://www.taag-genetics.com/terms>

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