



Ampliora 4.7 Spoilage Beverage SPID

Ready-to-use multiplex real-time PCR kit for the qualitative detection of acidophilic bacteria, yeasts and molds, and specific detection of preservative-resistant yeasts (PRYs) and *Brettanomyces spp.*

INTENDED USE

Qualitative detection of acidophilic bacteria, yeasts and molds, and specific detection of preservative-resistant yeasts (PRYs) and *Brettanomyces spp.* in samples of non-filterable matrices (juices) and filterable matrices (carbonated soft drinks and advanced hydration). Intended for use in Food production safety laboratories and high or low complexity microbiology laboratories.

MAIN INDUSTRIES



Food safety
laboratories



Microbiology
laboratories

PRINCIPLE

Ampliora 4.7 Spoilage Beverage SPID is a real-time PCR kit for detecting spoilage bacteria, yeast and mold in DNA recovered from enriched of filterable and non-filterable matrices samples. Bacteria, yeast and mold are detected using fluorescent probes for the specific recognition of each sequence.

TABLE 1. TECHNICAL SPECIFICATIONS

Microorganisms	<i>Acetobacter pomorum</i> , <i>Asaia bogorensis</i> , <i>Byssoschlamys fulva</i> , <i>Candida kursei</i> , <i>Candida parapsilosis</i> , <i>Dekkera bruxellensis</i> , <i>Fusarium oxysporum</i> , <i>Gluconacetobacter liquefaciens</i> , <i>Lactobacillus buchneri</i> , <i>Lactobacillus fermentum</i> , <i>Lactobacillus fructivorans</i> , <i>Lactobacillus paracasei</i> , <i>Lactobacillus plantarum</i> , <i>Lactobacillus sakei</i> , <i>Pichia kudriavzevii</i> , <i>Sacharomyces cerevisiae</i> , <i>Zygosaccharomyces bailii</i> , <i>Zygosaccharomyces parabailii</i> , <i>Zygosaccharomyces rouxii</i> .
Sensitivity	Pre-enrichment: 10 ⁶ CFU/per sample Post enrichment: 1X10 ³ UFC/per sample
Limit of detection (LoD)	5x10 ² -5x10 ¹ Genomic copy number/μL
Validated matrices	Juices Advance Hydration Carbonated Soft Drinks (CSDs)
Time	PCR: 173 minutes
Technology	Real-time multiplex PCR
Detection chemistry	Fluorescent probes Detection channel FAM [Acidophilic bacteria group], HEX [PRYs group], ROX [Acidophilic yeasts and molds group], Cy5 [<i>Dekkera spp./Brettanomyces spp.</i>] and Cy5.5 [Internal control].

KIT CONTENT

- 12 prefilled PCR strips
- 1 tube of Ampliora F70 Positive Control – 100 μL
- 1 tube 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 systems.

ORDER INFORMATION

Catalog #	Product	Size
V-SF155	Ampliora 4.7 Spoilage Beverage SPID	12 PCR strips 100 µL - 96 reactions 1 tube of Ampliora F70 Positive Control – 100 µL 1 tube of Negative Control – 352 µL

ORDER INFORMATION - ADDITIONAL SUPPLIES

Catalog #	Product	Size	Description
V-MA01	Magneus M3 Beverage	Tube X – 96 reactions Deep well de 2,2 ml pre charged with all the reagents, 6 plates – 96 reactions Magnetic Rod Sleeves – 12 Units Film X-pierce – 6 units	Extraction kit for spoilage bacteria, yeast and mold in beverage enriched 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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