

## Ampliora 8.2 Beer Bacteria Plus SPID

Ready-to-use multiplex real-time PCR kit for the qualitative detection of *Lactobacillus backii*, *Lactobacillus brevis*, *Lactobacillus collinoides/paracollinoides*, *Lactobacillus lindnerii*, *Lactobacillus* group, *Megasphaera spp.*, *Pediococcus spp.*, and *Pectinatus spp.* in beer samples.

### INTENDED USE

Qualitative detection of *Lactobacillus backii*, *Lactobacillus brevis*, *Lactobacillus collinoides/paracollinoides*, *Lactobacillus lindnerii*, *Lactobacillus* group (*Furfurilactobacillus rossiae*, *Lacticaseibacillus casei*, *Lacticaseibacillus paracasei*, *Lactiplantibacillus plantarum*, *Lentilactobacillus buchneri* and *Lentilactobacillus parabuchneri.*, *Megasphaera spp.*, *Pediococcus spp.*, and *Pectinatus spp.* in beer samples. Intended for use in high or low complexity microbiology laboratories.

### MAIN INDUSTRIES



Breweries



Microbiology laboratories

### PRINCIPLE

Ampliora 8.2 Beer Bacteria Plus SPID is a real-time PCR kit for detecting spoilage bacteria in DNA recovered from enriched or filtrated beer samples. Bacteria are detected using fluorescent probes for the specific recognition of each sequence.

**TABLE 1. TECHNICAL SPECIFICATIONS**

Microorganisms	<i>Lactobacillus backii</i> , <i>Lactobacillus brevis</i> , <i>Lactobacillus collinoides/paracollinoides</i> , <i>Lactobacillus lindnerii</i> , <i>Lactobacillus</i> group ( <i>Furfurilactobacillus rossiae</i> , <i>Lacticaseibacillus casei</i> , <i>Lacticaseibacillus paracasei</i> , <i>Lactiplantibacillus plantarum</i> , <i>Lentilactobacillus buchneri</i> and <i>Lentilactobacillus parabuchneri</i> ), <i>Megasphaera spp.</i> , <i>Pediococcus spp.</i> , and <i>Pectinatus spp.</i>
Sensitivity	Pre-enrichment: 10 <sup>6</sup> - 10 <sup>7</sup> CFU/per sample Post enrichment: 1x10 <sup>2</sup> -1x10 <sup>3</sup> UFC/per sample Direct sample: 1x10 <sup>2</sup> - 1x10 <sup>3</sup> UFC/per sample
Limit of detection (LoD)	5x10 <sup>0</sup> -5x10 <sup>1</sup> CGE/μL
Validated matrices	Beer samples
Time	PCR: ~103 minutes
Technology	Real-time multiplex PCR
Detection chemistry	Fluorescent probes  <b>Mix 1:</b> Detection channel FAM [ <i>Lactobacillus</i> group], HEX [ <i>Pediococcus spp.</i> ], ROX [ <i>Lactobacillus brevis</i> ], Cy5 [ <i>Lactobacillus lindnerii</i> ] and Cy5.5 [Internal control].  <b>Mix 2:</b> Detection channel FAM [ <i>Pectinatus spp.</i> ], HEX [ <i>Lactobacillus backii</i> ], ROX [ <i>Megasphaera spp.</i> ], Cy5 [ <i>Lactobacillus collinoides/paracollinoides</i> ] and Cy5.5 [Internal Control].

### KIT CONTENT

- 24 preloaded PCR strips (12 strips Bac1 and 12 strips Bac2)
- 2 tubes of positive control TAAG SP SpoilBac – 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 systems.

**ORDER INFORMATION**

Catalog #	Product	Size
V-SF99	Ampliora 8.2 Beer Bacteria 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 S.A. Terms and Conditions, which you can find at <http://www.taag-genetics.com/terms>

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