

Encode *Zygosaccharomyces bailii* ID Kit

Item code: EIL-BV-ZB

Technology: PCR / Real Time PCR/ PCR

Manufacturer: ENCODE

Size: EIL-BV-ZB- 10 Rxns

EIL-BV-ZB- 25 Rxns

EIL-BV-ZB- 50 Rxns

EIL-BV-ZB- 100 Rxns

BACKGROUND:

Zygosaccharomyces bailii is a non-Saccharomyces budding yeast known as one of the most aggressive food spoilage microorganisms, often isolated as a contaminant during wine fermentation, as well as from many acidic, high-sugar and canned foods. The spoilage ability relies on the yeast's unique feature of tolerating the most common preservatives such as sulphite, dimethyl dicarbonate, acetic acid and sorbic acid. *Z. bailii* causes significant economic loss in industries and its detection becomes urgent need. The ancient methods of detection take about 4 to 5 days, this classical microbiological method is time consuming. Therefore, methods to shorten the time needed for the detection of *Z. bailii*, in wine, beverages, and food are desirable. Thus, in vitro DNA amplification by polymerase chain reaction (PCR), in particular, using real time PCR and specific fluorescent probes, is a powerful and reliable tool for detection of *Z. bailii*, providing results much faster and allowing more efficient control procedures.

PRODUCT DESCRIPTION:

REAL TIME DETECTION KIT *Zygosaccharomyces bailii* uses real-time PCR technology for the detection of *Zygosaccharomyces bailii* in a simple, efficient, reliable, and rapid procedure. This method is based on 5' nuclease real time PCR reactions to amplify a unique and desirable genomic sequence in the target microorganism. This carefully designed primers and probe ensure highest sensitivity, accuracy and specificity.

