

## Encode Brettanomyces/*Dekkera bruxellensis* ID Kit

**Item code:** EIL-BV-DBX

**Technology:** PCR / Real Time PCR

**Manufacturer:** ENCODE

**Pack Size:** EIL-BV-DBX-10 Rxns

EIL-BV-DBX-25 Rxns

EIL-BV-DBX-50 Rxns

EIL-BV-DBX-100 Rxns

### BACKGROUND:

*Dekkera bruxellensis* is a non-conventional yeast normally considered as a spoilage organism in wine causing off-flavours. *Dekkera bruxellensis* is slow growing and ethanol- and carbon dioxide-tolerant, which allow it to form significant populations in stable wine that is maturing in cellars.

The formation of volatile phenols namely 4-ethylphenol and 4-ethylguaiacol which leads to the characteristic “Brett” taints associated with red wine, developed during wine aging and bottling are caused by *Dekkera bruxellensis*. Detection of B. bruxellensis in wine is usually performed using ancient traditional methods but they are time consuming, the alternative is, 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 B. bruxellensis, providing results much faster and allowing more efficient control procedures.

### PRODUCT DESCRIPTION:

REAL TIME DETECTION KIT Brettanomyces/*Dekkera bruxellensis* uses real-time PCR technology for the detection of Brettanomyces bruxellensis 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.

