During production, contamination of beer can be recognized by unwanted turbidity due to microorganisms, pH changes, undesired changes of the flavor and protein flocculation. Often, the appearance of beer-spoilage bacteria results in a loss of whole batches of beer. By using the ready-to-use foodproof® Beer Screening Kit, 31 species and subspecies of the most troublesome spoilage bacteria can be detected in a single rapid test.

The foodproof® Beer Screening Kit is based on real-time PCR technology, which is well-established in the brewing and beverage industry as a highly sensitive and specific detection method.

**Fast:** 48-72 h to result with < 40 min of hands-on time.
**Safe:** Prevention of false-negative results by internal control and prevention of carry-over contamination using Uracil-N-Glycosylase.
**Sensitive:** Validated to detect 1-10 cfu/ml.
**Easy:** Convenient, complete solution including DNA extraction and real-time PCR analysis.
**Experienced:** Manufacturer of PCR-based rapid tests for the food industry since 1998 with an ISO 17025 accredited service lab.
**Licensed:** Fully licensed technology.

**Wide Detection Spectrum**
Detection of 31 Relevant Beer Spoilage Organisms of the Genera:
- Lactobacillus
- Pediococcus
- Pectinatus
- Megasphaera

**Identification of Species**
- Lactobacillus brevis
- Lactobacillus lindneri
- Lactobacillus acetotolerans
- Pediococcus inopinatus
- Pediococcus damnosus
- Megasphaera cerevisiae

**Matrices**
Beer, yeast samples and environmental samples
Instrument Compatibility

**LightCycler® 1.x, 2.0 and 480, Dualo 32**

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**Several DNA Extraction Protocols**

- enable the extraction of DNA from spoilage organisms

**Beer Screening Kit**

R 310 02    foodproof® Beer Screening Kit (LC 1.x, 2.0, 480)

**Matrix-Specific DNA Extraction Kits**

S 400 03    foodproof® ShortPrep® III Kit - rapid extraction
S 400 08    foodproof® StarPrep Two Kit - bulk extraction
S 400 18    foodproof® StarPrep Three Kit - bulk extraction

**Storage** at -15 °C to -25 °C

**96 Reactions** with a final volume of 20 µl

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