

foodproof[®] Beer Screening Kit

- Hybridization Probes for Roche LightCycler[®] (1.x, 2.0 & 480) -

Contaminations of beer can be recognized by unwanted turbidity due to the 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. The foodproof[®] Beer Screening Kit allows the rapid and specific detection of the most relevant beer-spoilage bacteria. This test is based on real-time PCR technology in order to minimize contamination risks through less work steps and to overcome time-consuming and un-specific classical microbiology. By using the ready-to-use foodproof[®] Beer Screening Kit, 30 species and subspecies of the most troublesome spoilage bacteria are detected in a rapid, sensitive and specific test. Furthermore, the foodproof[®] Beer Screening Kit enables the identification via melting curve analysis of the most important beer spoilage bacteria (s. table right).

**For safer food - BIOTECON Diagnostics -
simply builds up trust!**

- **Fast:** time saving of up to 12 days in comparison to conventional microbiology
- **Licensed:** Fully licensed technology (Roche; Applied Biosystems)
- **Experienced:** Long-time experience as custom service lab and life science product manufacturer
- **Easy:** Convenient handling
- **Safe:** Prevention of carry-over contamination by using Uracil-N-Glycosylase

Complete PCR System including:

- foodproof[®] Beer Screening Master Mix
- foodproof[®] Beer Screening Enzyme Solution
- foodproof[®] Beer Screening Internal Control - LC 1.x, 2.0 -
- foodproof[®] Beer Screening Control Template
- H₂O, PCR-grade
- foodproof[®] Beer Screening Internal Control - LC 480 -

Store at -15°C to -25°C

96 reactions with a final volume of 20 µl each

Stable to expiration date on label

Matrice adapted Sample

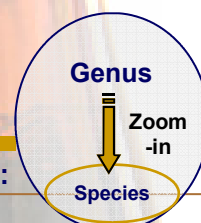
Preparation:

foodproof[®] ShortPrep III

foodproof[®] Sample Preparation Kit II

Detection of all (in total 30) relevant beer spoilage bacteria of the genera:

- *Lactobacillus*
- *Pediococcus*
- *Pectinatus*
- *Megasphaera*



Identification of species:

- *Lactobacillus brevis*
- *Lactobacillus lindneri*
- *Pediococcus damnosus*
- *Pediococcus inopinatus*
- *Megasphaera cerevisiae*

Extension:

Now also available for Roche LightCycler[®] 480 and including "Additional organisms"

Sensitivity:

~ 10³ cells/ml of enrichment cultures
(sensitivity value may vary slightly depending on sample type)



R 300 02 foodproof[®] Beer Screening Kit

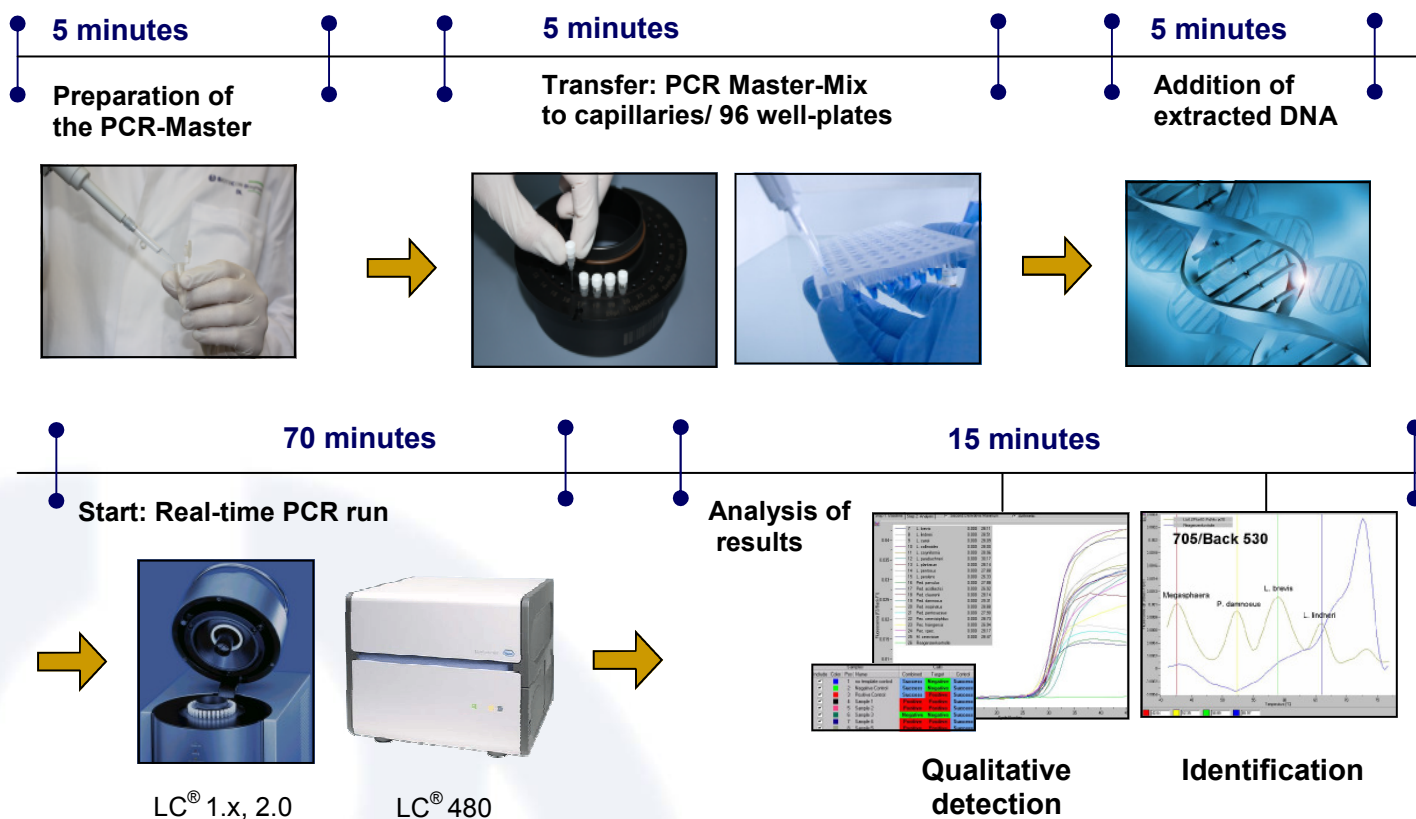
Sample Preparation/ Filtration (30 minutes)



foodproof® ShortPrep III Kit allows the fast extraction of beer spoilage bacterial DNA

For detailed step-by-step overview please check the instructions

Real-time PCR run



Time in total: ~ 100 minutes

BIOTECON Diagnostics GmbH
 Hermannswerder 17
 14473 Potsdam
 Germany
 0049-(0)331-2300-200
 0049-(0)331-2300-299

www.bc-diagnostics.com

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