



**foodproof**<sup>®</sup>

## Yeast and Mold Quantification LyoKit

Yeasts and molds are widely distributed in the environment and can enter foods through inadequately sanitized equipment or as airborne contaminants. Yeasts and molds frequently become predominant on foods when conditions for bacterial growth are less favorable, e.g. low pH. They also can become a problem in dairy products. Conventional microbiological methods for the detection, quantification and identification of yeasts and molds are very time-consuming, taking up to 2 weeks to perform. Using the **foodproof Yeast and Mold Quantification LyoKit**, the quantification can be done in less than 5 hours (hands on time of 2 h).

The **foodproof Yeast and Mold Quantification LyoKit** is based on real-time PCR technology, which is well established as a rapid, highly sensitive and specific detection method.

The rapid and easy sample preparation includes a live/dead discrimination step using Reagent D, eliminating false-positive results from dead cells.

**Safe:** Reliable quantification with high correlation to conventional methods, with results in cfu/g. Only living cells are detected.

**Fast:** Quantification in < 5 h.

**Easy:** Convenient, complete solution, including DNA extraction, live/dead differentiation and quantitative real-time PCR analysis.

### Best Specificity

**100% Inclusivity**

300 strains of 250 species successfully tested.

All important phylogenetic groups included.

**100% Exclusivity**

50 closely related organisms or microorganisms of the same habitat successfully tested.

### Sensitivity

10 to 100 cfu/g depending on sample type.

### Matrices

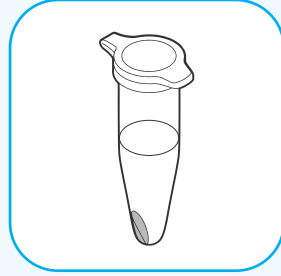
All relevant dairy matrices successfully tested including yogurt, milk, milk powder, butter, cheese, curd, cream, vanilla sauce and more.

Contact us for other food matrices.

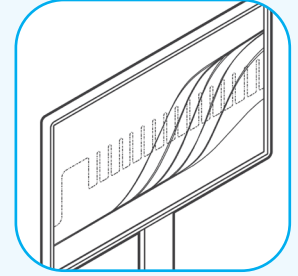
## Workflow



**Sample Homogenization**  
5 - 10 min



**DNA Extraction**  
Duration depending on protocol  
and number of samples



**Real-Time PCR**  
160 min

## DNA Extraction Kits

### Manual

**foodproof** StarPrep® Two Kit (single tube lysis)  
KIT 2301 77

**foodproof** StarPrep Six 8-Strip Kit (high-throughput)  
KIT 2301 92

Reagent D  
KIT 2300 01

### Tests

96 (42 mL)

192

96 (30 mL)

### LyoKits

#### Fast & Convenient

Lyophilized, prefilled reaction mix reduces hands-on time and minimizes contamination risks.

#### Easy Storage & Safe Transportation

Ships at room temperature, store at 2 °C to 8 °C.

## Real-Time PCR Kits

**foodproof** Yeast and Mold Quantification LyoKit  
KIT 2301 12 (LP), KIT 2301 13 (RP), KIT 2301 14 (DP)

### Tests

96

### Instrument Compatibility

#### Different Profile (DP):

e.g., Dualo 32® R<sup>2</sup>

#### Low Profile (LP):

e.g., LightCycler® 480, LightCycler® 96, AriaMx, Bio-Rad CFX96™, Applied Biosystems™ 7500 Fast, QuantStudio™

#### Regular Profile (RP):

e.g., Mx3005P

Other cyclers on request.



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