BAX® System Q7

PCR Assay for Yeast and Mold

Food manufacturers often set “limits” or “action levels” for how much yeast and mold can be in a particular product; these are commonly enumerated through traditional culture methodology. Unfortunately, these culture methods are subjective, have a high degree of measurement uncertainty and can take several days to complete. The BAX® System PCR Assay for Yeast and Mold targets the ribosomal RNA gene from these organisms to deliver results in just a matter of hours for highly contaminated samples. Results are based on your unique specification limits that determine the amount of sample to be tested. Positive results with the BAX System reflect the presence of yeast and mold at a concentration above that threshold, while negative results indicate that any yeast and mold in the sample is below that threshold.

PERFORMANCE TESTED AOAC RESEARCH INSTITUTE LICENSE NUMBER 010902

Features & Benefits:

- Clear yes-or-no results in as little as 6 hours for highly contaminated samples; 50 hours for most other matrices
- Carefully designed primers target specific genetic sequences possessed only by the target organisms
- Validated to perform as well or better than standard reference methods for listed product types
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Flexible protocols available to meet your unique workflows
- Internal controls included to validate results even in absence of target

Designed For Efficient Workflow and Reliable Results:

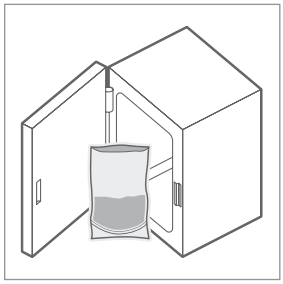
- Enriched protocol for pooled samples for labs with low action levels 10-50 CFU/g
- Enriched protocol for non-pooled samples for labs with a range of action levels 25-1000 CFU/g
- Enriched protocol for MPN analysis for action levels of >25 CFU/g may be used when plate count confirmation delays are unacceptable for product release decisions
- Direct testing protocol without enrichment may be used for action levels >500 CFU/g

Validations, Certifications and Approvals:

- **AOAC Research Institute**
  Performance Tested Method℠ #010902
  Validated using the enriched protocol for yogurt, cornstarch and milk-based powdered infant formula (for thresholds of 10-1000 CFU/g)

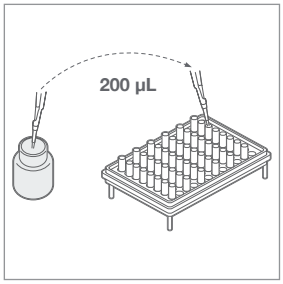
Product No.	Description	Quantity
KIT2015	BAX® System PCR Assay for Yeast and Mold	96 tests per kit

BAX System Protocol*

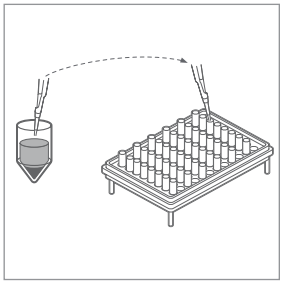


Enrich samples.

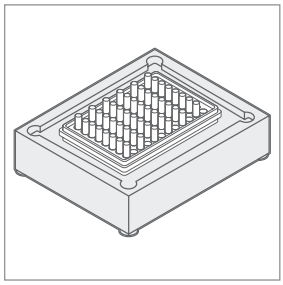
Create rack file and warm up cycler.



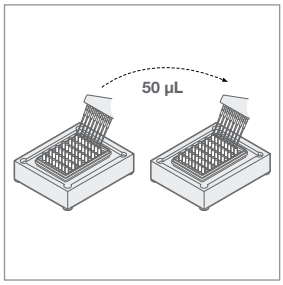
Add protease to lysis buffer bottle, mix, then dispense 200 µl of solution into cluster tubes.



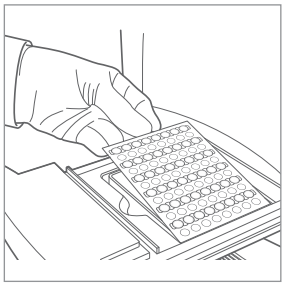
After disruption step, add agitated sample to cluster tubes with lysis solution.



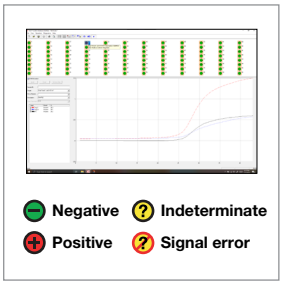
Place samples on automated thermal block for lysis and cooling.



Transfer lysates to PCR tubes held in a cooling block.



Place sealed PCR tubes in cycler and immediately click “NEXT” to run program.



Review results.

*Refer to Ready Reference Guide for detailed steps.

Related Products

BAX System Real-Time PCR Assay for *Genus Listeria*
With a shortened, simplified sample preparation procedure and real-time processing, this assay provides a fast and accurate molecular testing method for *Listeria* in food and environmental samples.

BAX System Real-Time PCR Assay for *Salmonella*
Uses real-time PCR technology to reduce processing time to about one hour, helping food companies make product release decisions with speed and confidence.

BAX System Real-Time PCR Assay for *Staphylococcus aureus*
Harnesses the power of the polymerase chain reaction to detect *Staph aureus* in food and environmental samples with minimal operator handling.

Product No.	Description	Quantity
KIT2019	BAX® System Real-Time PCR Assay for *Genus Listeria*	96 tests per kit
KIT2006	BAX® System Real-Time PCR Assay for *Salmonella*	96 tests per kit
KIT2020	BAX® System Real-Time PCR Assay for *Staphyloccocus aureus*	96 tests per kit