

BAX® System

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 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.



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:

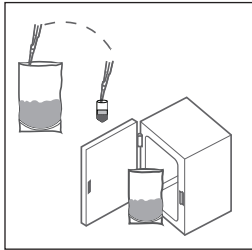
- **AOAC Research Institute**
Performance Tested MethodSM #010902
Validated using the enriched protocol for yogurt, corn starch, and milk-based powdered infant formula (for thresholds of 10-1000 cfu/g)

Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2015	D15134303	BAX® System PCR Assay for Yeast & Mold	96 tests per kit

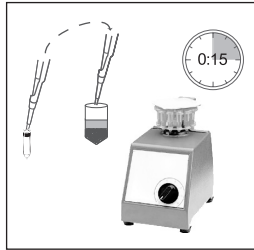


Find support documents, instructional videos, and more at www.hygiena.com

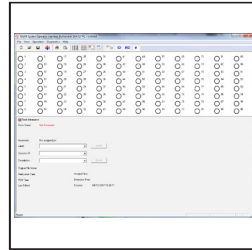
BAX® System Protocol



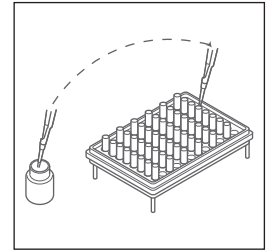
Transfer homogenized sample to disrupter tube and incubate at 25° C for 44 hours.



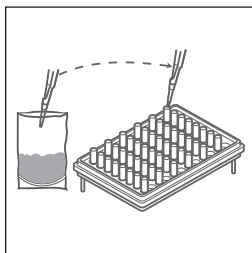
Add DNA stabilizer to disrupter tubes and agitate in disrupter device.



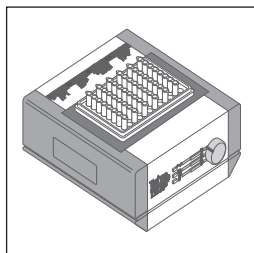
Create rack file and warm up cyclor.



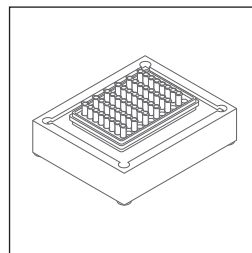
Mix protease with lysis buffer and transfer 200 µL of mixture to cluster tubes.



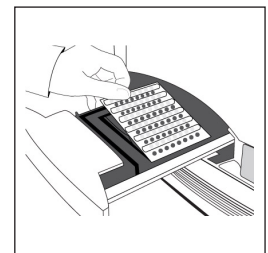
Transfer 20-µL samples to cluster tubes.



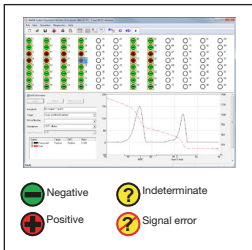
Place samples on automated thermal block for lysis and cooling.



Transfer 50 µL of lysed sample to PCR tubes in cooling block.



Place sealed PCR tubes in cyclor and run program.



Review results.

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.

Hygiene Product Code	Legacy Order Code	Description	Quantity
KIT2019	D15131113	BAX® System Real-Time PCR Assay for Genus <i>Listeria</i>	96 tests per kit
KIT2006	D14306040	BAX® System Real-Time PCR Assay for <i>Salmonella</i>	96 tests per kit
KIT2020	D12762689	BAX® System Real-Time PCR Assay for <i>Staphylococcus aureus</i>	96 tests per kit



Find support documents, instructional videos, and more at www.hygiene.com/bax