

BAX[®] System

X5

PCR PATHOGEN DETECTION



THE LATEST PCR-BASED TESTING PLATFORM IN THE BAX® SYSTEM FAMILY



SPEED

- Automated sample preparation complete in the **Hygiena™ Automated Thermal Block** in about 1 hour
- Automated PCR amplification and detection complete in the **BAX® System X5** instrument in 3.5 hours
- PCR tablets pre-packaged in PCR tubes to eliminate the need for reagent preparation – just hydrate with prepared sample enrichment and go

ACCURACY

- Advanced, DNA-based PCR technology provides rapid, reproducible results to help you make product release decisions with confidence
- Built-in positive control automatically runs with each sample to ensure reliable results

EASE OF USE

- **BAX® System X5** instrument is simple to install and virtually maintenance-free
- Simplified sample preparation helps reduce hands-on time and requires minimal laboratory training
- PCR-amplified samples remain sealed for easy disposal and minimized potential for cross-contamination
- Clear yes or no results make data interpretation fool-proof

CONVENIENCE

- Handles up to 32 samples at a time to best fit smaller testing volume requirements
- Smaller footprint to best fit bench space limitations
- Hygiena™ Diagnostics Support team available for technical service and troubleshooting

BAX® SYSTEM X5 PCR ASSAYS

BAX® System X5 PCR assays are available to test for *Salmonella*, *E. coli* O157:H7, *Listeria* species and *L. monocytogenes*. These assays can be processed together in the **BAX® System X5** instrument, allowing you to test for more than one target simultaneously in a single process run.

Each **BAX® System X5** PCR assay contains all the lysis reagents required to prepare samples, eliminating the need for complicated preparation steps. Tableted PCR reagents are pre-measured and packaged in tubes to provide additional stability and longer shelf life. Each assay kit contains 64 tests - enough for two full process runs in the **BAX® System X5** instrument. Each assay is validated for a variety of food and/or surface matrices, against one or more third-party validation schemes.

VALIDATION REFERENCE



SALMONELLA



E. COLI O157:H7



LISTERIA SPECIES



L. MONOCYTOGENES

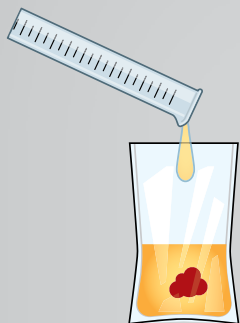


Need more assays or higher throughput?

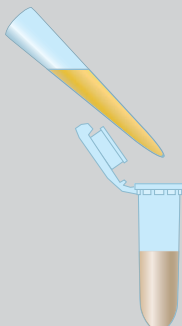
See the **BAX® System Q7** instrument at hygiena.com/BAX



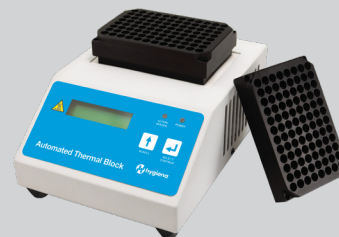
EASY-TO-USE PROCESS



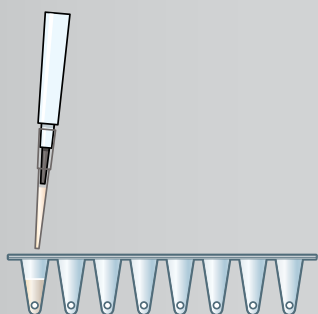
- 1 Enrich Samples**
Combine measured sample with enrichment media and incubate to grow target organisms to detectable levels.



- 2 Prepare Lysis Reagent**
Transfer enriched sample to lysis reagent in cluster tubes.



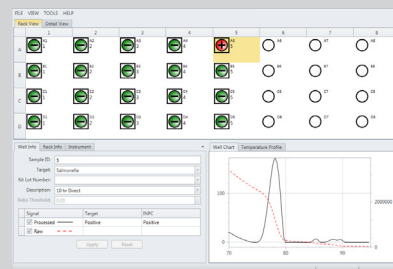
- 3 Perform Automated Lysis**
The **Hygiena™ Automated Thermal Block** automatically heats and cools the sample to break open bacterial cells and expose the target DNA for detection.



- 4 Hydrate PCR Tablets**
Transfer lysate to the tablet in each **BAX® System** PCR tube.



- 5 Complete Process Run**
Place the PCR tubes into the **BAX® System X5** instrument for automated analysis.



- 6 Review Results**
Results are displayed as clear yes or no icons that don't require expert analysis.