

# BAX<sup>®</sup> System

# X5

PCR PATHOGEN DETECTION



BAX<sup>®</sup> System X5

 **hygiena**<sup>™</sup>

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# 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

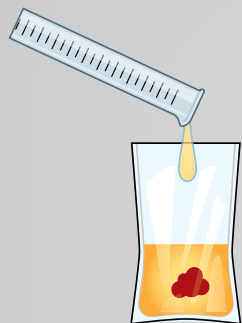


Need more assays or higher throughput?

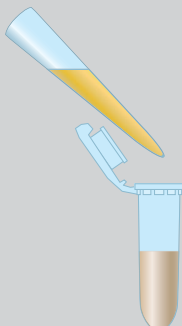
See the BAX® System Q7 instrument at [hygiena.com/BAX](http://hygiena.com/BAX)



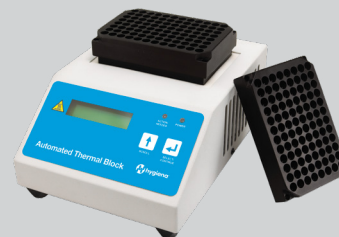
# EASY-TO-USE PROCESS



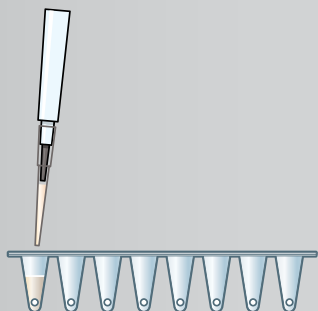
**1 Enrich Samples**  
Combine measured sample with enrichment media and incubate to grow target organisms to detectable levels.



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



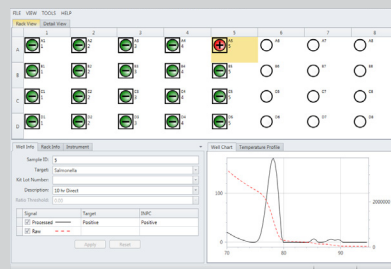
**3 Perform Automated Lysis**  
The **Hygiena™ Automated Thermal Block** automatically heats and cools the sample to break open bacterial cells and expose the target DNA for detection.



**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.