

# 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

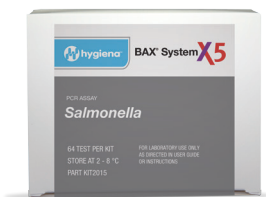
## CONVENIENCE

- 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.



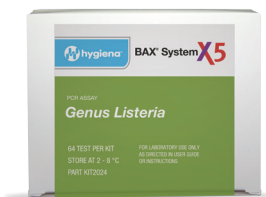
### SALMONELLA

Protocols available for meat, poultry, seafood, dairy, fruits & vegetables, bakery products, egg products, pet food, and environmental samples



### E. COLI O157:H7

Protocols available for raw meats, raw beef trim, fruits & vegetables, raw milk, and ready-to-eat products



### LISTERIA SPECIES

Protocols available for frankfurters, smoked seafood, vegetables, cheeses, and environmental samples



### L. MONOCYTOGENES

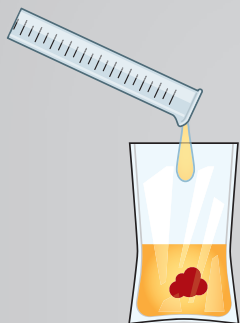
Protocols available for raw ground meats, ready-to-eat meats, seafood, dairy, fruits & vegetables, and fruit juices



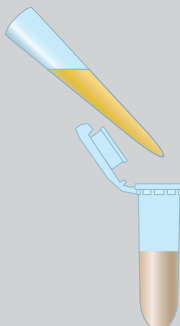
Need more assays or higher throughput?  
See the BAX® System Q7 instrument at [hygiena.com/BAX](http://hygiena.com/BAX)



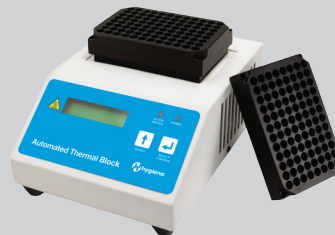
# EASY-TO-USE PROCESS



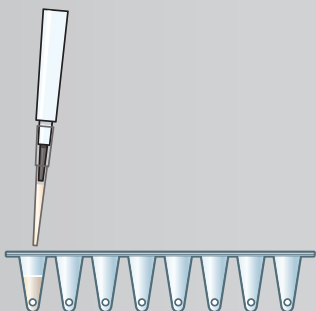
**1** Enrich Samples  
Combine your measured sample with enrichment media and incubate to grow target organisms to detectable levels.



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



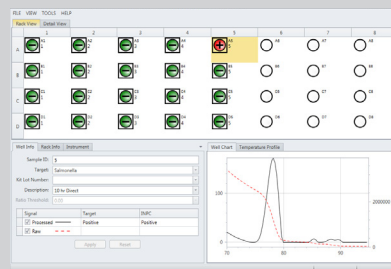
**3** Perform Automated Lysis  
The **Hygiena™ Automated Thermal Block** automatically heats and cools the sample to break open bacterial cells and expose the target DNA for detection.



**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.