

keydiagnostics

T: 02 8212 4074 F: 02 9423 6992
info@keydiagnostics.com.au
www.keydiagnostics.com.au
PO Box 1038, Gymea, NSW, 2227

BAX[®] System

X5

PCR PATHOGEN DETECTION



 **hygiena**[™]

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

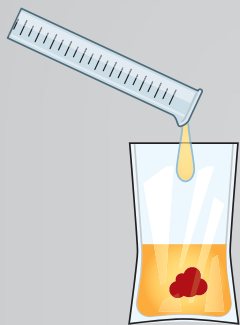


Need more assays or higher throughput?

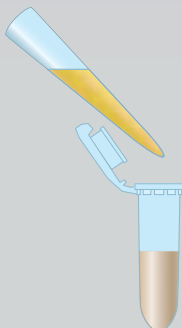
See the **BAX® System Q7** instrument at hygiene.com/BAX



EASY-TO-USE PROCESS



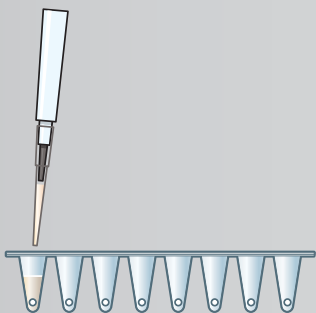
- 1** Enrich Samples
Combine your measured sample with enrichment media and incubate to grow target organisms to detectable levels.



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



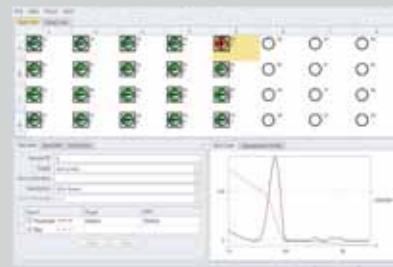
- 3** Perform Automated Lysis
The **Hygiena™ Automated Thermal Block** automatically heats and cools the sample to break open bacterial cells and expose the target DNA for detection.



- 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.