

Pathogenic Bacteria PCR Detection Solution

Real-Time PCR Tech × Lyophilized Reagents

PRODUCT INTRODUCTION

Powered by Real-Time Fluorescence PCR, this solution features pre-dispensed, lyophilized reagents for rapid screening of common foodborne pathogens in food, raw materials, water, and environmental samples. Following standard pre-enrichment, samples are directly processed, delivering nucleic acid amplification and automated analysis within 2 hours. This significantly speeds up negative sample release and boosts lab throughput.

KEY ADVANTAGES



Rapid Turnaround

Detection and result interpretation completed within 2 hours after standard enrichment procedures, enabling rapid batch release.



Ambient Storage

Lyophilized reagents stable at 2-8°C with no ultra-low temperature storage required.



Simplified Workflow

Pre-filled 20 µL lyophilized reagents and automated extraction minimize hands-on time and contamination risk.



High Specificity

Excellent specificity and strong resistance to background interference across multiple sample matrices.

ENRICHMENT

Perform standard sample enrichment according to reference methods



SIMPLE PCR DETECTION WORKFLOW

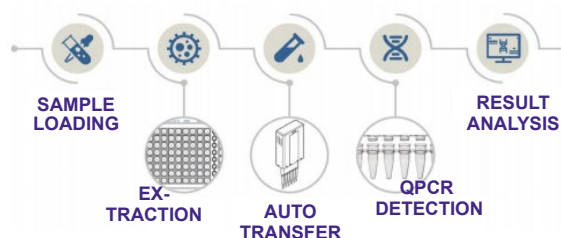


Automated Extraction



PCR Amplification

INTEGRATED EXTRACTION & AMPLIFICATION SOLUTION



< 2 Hours

After Enrichment

Automated magnetic bead extraction streamlines sample preparation with minimal hands-on time. Simply load the eluate into pre-filled lyophilized PCR tubes for amplification and automated result reporting.



< 70 min

After Enrichment

An integrated workstation combines nucleic acid extraction and real-time PCR amplification into a single automated workflow, significantly reducing hands-on time and improving laboratory efficiency

NO.	Product Name	Specification
1	Salmonella Nucleic Acid Detection Kit(Lyophilization)	48T/Kit
2	Pathogenic Bacteria Nucleic Acid Detection Kit(Lyophilization)	48T/Kit
3	Staphylococcus aureus and Salmonella Nucleic Acid Detection Kit(Lyophilization)	48T/Kit
4	Shigella Nucleic Acid Detection Kit(Lyophilization)	48T/Kit
5	Listeria monocytogenes Nucleic Acid Detection Kit(Lyophilization)	48T/Kit
6	Staphylococcus aureus Nucleic Acid Detection Kit(Lyophilization)	48T/Kit
7	Cronobacter(Enterobacter sakazakii) Nucleic Acid Detection Kit (Lyophilized)	48T/Kit
8	Bacillus cereus Nucleic Acid Detection Kit (Lyophilized)	48T/Kit
9	Bacterial Genomic DNA Magnetic Beads Extraction Test Kit	48T/Kit

AUTOMATED NUCLEIC ACID EXTRACTION SYSTEM



- Magnetic bead-based high-efficiency purification, available in 16 / 32 channels
- Magnetic bead recovery rate > 98%, intra-well CV < 3%
- Processing volume: 20–1000 µL, high purification sensitivity
- Touchscreen operation, built-in UV disinfection for anti-contamination
- Dimensions:
16-channel: 335 x 213 x 347 mm
32-channel: 400 x 380 x 480 mm

HIGH-THROUGHPUT REAL-TIME FLUORESCENCE QUANTITATIVE PCR SYSTEM



- 96-well high throughput, 4 fluorescence channels, detects up to 16 targets simultaneously
- Full-plate scanning completed in 7 seconds, temperature uniformity ≤ ±0.1°C
- Supports qualitative / absolute quantitation / relative quantitation / melting curve / SNP analysis
- Three operation modes: standalone / PC connection / LAN access, LIS compatible
- Dimensions: 355mm x 475mm x 484mm

FULLY AUTOMATED NUCLEIC ACID EXTRACTION & AMPLIFICATION INTEGRATED WORKSTATION



- Integrates nucleic acid extraction, PCR amplification and fluorescence detection
- 8-sample throughput, closed-tube anti-contamination design, “Sample In - Result Out”
- Compact and field-deployable, ideal for on-site rapid molecular testing
- 7-inch touchscreen, HEPA filter + UV disinfection, one-button automatic operation
- Dimensions: 470 x 225 x 400 mm

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