

# Bacteria

## Real-time PCR Kits

Foodborne illnesses caused by pathogenic bacteria still occur at unacceptably high frequencies in both industrialized nations and developing countries. When foodborne disease outbreaks, it is most important to perform laboratory-based surveillance for causative pathogens and epidemiological study as soon as possible.

PowerChek™ Pathogen Real-time PCR Kit is designed to detect foodborne bacteria-specific gene in various food sources and environmental samples by TaqMan probe-based Real-time PCR method. Real-time PCR assay have been shown to yield good detection of bacteria with rapid results compared to culture method as well pathogen contamination.

### Characteristics

- Detection kit for foodborne pathogens
  - Upgrade version of conventional PCR kits
- Single & multiplex real-time PCR
  - TaqMan™ probe-based technology
- Rapid & simple reaction
- No contamination : closed system
- No error : Internal positive control
- A complete solution – premix type or 1.5 ml tube type
- Easy to operation in less than 2.5 hrs

### Customized Multiplexing

If you require custom multiplex detection, but would like to perform the testing in your own laboratory, **KogeneBiotech** will work with you to design, develop, and manufacture specific custom multiplexing system to meet your research needs. In addition, you can choose the various fluorescent dye-labeling as your purpose & targeted bacteria.

### Application

**Food, cell, environmental sample, fecal specimens etc**

\*\* For research use only

### Kit Components

- 2X Real-time PCR Master Mix
- Primer/Probe Mixture
- Control DNA C

### Storage

-20 °C

### Short & Simple Protocol

After pre-enrichment & DNA Ext.

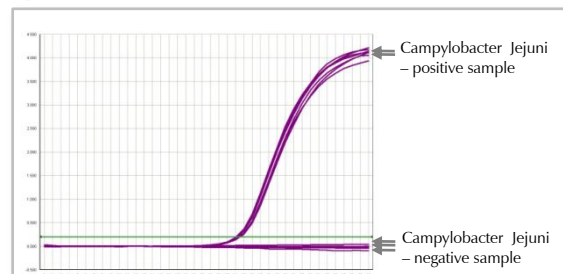
Step 1 : Mix extracted DNA with the Kit's reagents

Step 2 : Real-time PCR Run

Step 3 : Analysis

2.5 hrs

### Exp.



This data is the Real-time PCR result by using PowerChek™ Campylobacter jejuni Real-time PCR Kit on AB7500.

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## Real-time PCR Kits

### Ordering Information

PowerChek™ Pathogen Real-time PCR Kit Series	Cat #	rxn
PowerChek™ Campylobacter jejuni Real-time PCR Kit	R0101	50
PowerChek™ Campylobacter jejuni Real-time PCR strip Kit	R0101S	24 (8 strip X 3)
PowerChek™ E.coli O157 Real-time PCR Kit	R0102	50
PowerChek™ E.coli O157 Real-time PCR strip Kit	R0102S	24 (8 strip X 3)
PowerChek™ Staphylococcus aureus Real-time PCR Kit	R0103	50
PowerChek™ Staphylococcus aureus Real-time PCR strip Kit	R0103S	24 (8 strip X 3)
PowerChek™ Bacillus cereus Real-time PCR Kit	R0104	50
PowerChek™ Bacillus cereus Real-time PCR strip Kit	R0104S	24 (8 strip X 3)
PowerChek™ Vibrio parahaemolyticus Real-time PCR Kit	R0105	50
PowerChek™ Vibrio parahaemolyticus Real-time PCR strip Kit	R0105S	24 (8 strip X 3)
PowerChek™ Listeria monocytogenes Real-time PCR Kit	R0106	50
PowerChek™ Listeria monocytogenes Real-time PCR strip Kit	R0106S	24 (8 strip X 3)
PowerChek™ Yersinia enterocolitica Real-time PCR Kit	R0107	50
PowerChek™ Yersinia enterocolitica Real-time PCR strip Kit	R0107S	24 (8 strip X 3)
PowerChek™ Salmonella spp. Real-time PCR Kit	R0108	50
PowerChek™ Salmonella spp. Real-time PCR strip Kit	R0108S	24 (8 strip X 3)
PowerChek™ Shigella spp. Real-time PCR Kit	R0109	50
PowerChek™ Shigella spp. Real-time PCR strip Kit	R0109S	24 (8 strip X 3)
PowerChek™ Vibrio cholerae Real-time PCR Kit	R0110	50
PowerChek™ Vibrio cholerae Real-time PCR strip Kit	R0110S	24 (8 strip X 3)
PowerChek™ Clostridium perfringens Real-time PCR Kit	R0111	50
PowerChek™ Clostridium perfringens Real-time PCR strip Kit	R0111S	24 (8 strip X 3)
PowerChek™ Enterobacter sakazakii Real-time PCR Kit	R0112	50
PowerChek™ Enterobacter sakazakii Real-time PCR strip Kit	R0112S	24 (8 strip X 3)
PowerChek™ Vibrio vulnificus Real-time PCR Kit	R0113	50
PowerChek™ Vibrio vulnificus Real-time PCR strip Kit	R0113S	24 (8 strip X 3)
PowerChek™ Legionella pneumophila Real-time PCR Kit	R0114	50
PowerChek™ Legionella pneumophila Real-time PCR strip Kit	R0114S	24 (8 strip X 3)
PowerChek™ EHEC Real-time PCR Kit (stx1, stx2)	R0115	50
PowerChek™ EHEC Real-time PCR strip Kit (stx1, stx2)	R0115S	24 (8 strip X 3)
PowerChek™ ETEC Real-time PCR Kit (LT, ST)	R0116	50
PowerChek™ ETEC Real-time PCR strip Kit (LT, ST)	R0116S	24 (8 strip X 3)
PowerChek™ Vibrio Multi I Real-time PCR strip Kit (Vp, Vc(ctx), hly)	R0117S	24 (8 strip X 3)
PowerChek™ Vibrio Multi II Real-time PCR strip Kit (Vc(ctx), Vp, Vv)	R0118S	24 (8 strip X 3)
PowerChek™ Salmonella enteritidis Real-time PCR Kit	R0119	50
PowerChek™ Salmonella enteritidis Real-time PCR strip Kit	R0119S	24 (8 strip X 3)
PowerChek™ EAEC Real-time PCR Kit (aggR, east)	R0121	50
PowerChek™ EAEC Real-time PCR strip Kit (aggR, east)	R0121S	24 (8 strip X 3)
PowerChek™ EPEC Real-time PCR Kit (bfpA, eaeA)	R0122	50
PowerChek™ EPEC Real-time PCR strip Kit (bfpA, eaeA)	R0122S	24 (8 strip X 3)
PowerChek™ Salmonella & Shigella Real-time PCR strip Kit	R0123S	24 (8 strip X 3)
PowerChek™ Enterococcus Duplex Real-time PCR Kit	R0124	50
PowerChek™ Pseudomonas aeruginosa Real-time PCR Kit	R0125	50
PowerChek™ VREF Real-time PCR Kit	R0126	50