

Template for PCR pathogen Detection

Positive Control Template SS

Code No. S038 **Size:** **5 ng**
Conc.: **100 pg/μl**

* 2 years from date of receipt under proper storage conditions.

Detectable Gene:

This product contains positive control template for PCR detection of pathogenic genes. For the detection of *invE* gene of *Shigella* sp. and enteroinvasive *E. coli* (EIEC), use in conjunction with Primer Set INV-1&2 (Cat. #S016), and for the detection of *ipaH* gene of *Shigella* sp. and EIEC, use in conjunction with Primer Set IPA-1&2 (Cat. #S017).

Amplified Fragment:

with Primer Set INV (Cat. #S016) : 691 bp
with Primer Set IPA (Cat. #S017) : 689 bp

Form:

Supplied in TE buffer.
10 mM Tris-HCl, pH 8.0
1 mM EDTA

Storage: -20°C

Application Example:

1. Reaction mixture for PCR (total 50 μl)

<i>TaKaRa Taq</i> [™] (5 U/μl)	0.25 μl
10X PCR Buffer* ¹	5 μl
dNTP Mixture* ² (2.5 mM each)	4 μl
Primer 1	0.5 μl
Primer 2	0.5 μl
Positive Control Template	0.5 μl
Sterile purified water	39.25 μl
Total	50 μl

(Reaction mixture shall be prepared on ice.)

*1 Supplied with Primer Set.

*2 Supplied with *TaKaRa Taq* (Cat. #R001A).

2. PCR Condition

94°C	1 min	} 35 cycles
55°C	1 min	
72°C	1 min	

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Note

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