

# Template for PCR pathogen Detection

## Positive Control Template SE2

**Code No. S036**                      **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 *sec* (*entC*) gene encoding staphylococcal enterotoxin C, use in conjunction with Primer Set SEZ-1&2 (Cat. #S011), and for the detection of *sed* (*entD*) gene encoding staphylococcal enterotoxin D, use in conjunction with Primer Set SED-1&2 (Cat. #S012).

### Amplified Fragment :

with Primer Set SEZ (Cat. #S011) : 697 bp  
with Primer Set SED (Cat. #S012) : 695 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> <sup>™</sup> (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
<b>Total</b>	<b>50 μl</b>

(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	

*TaKaRa Taq* is a trademark of Takara Bio Inc.

### Note

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