

# Template for PCR pathogen Detection

## Positive Control Template **ST**

**Code No. S037**                      **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 see (*entE*) gene encoding staphylococcal enterotoxin E, use in conjunction with Primer Set SEE-1&2 (Cat. #S013), and for the detection of *tst* gene encoding toxic shock synddrome toxin-1 (TSST-1) or *Staphylococcus aureus*, use in conjunction with Primer Set TST-1&2 (Cat. #S015).

### Amplified Fragment :

with Primer Set SEE (Cat. #S013) : 695 bp  
with Primer Set TST (Cat. #S015) : 694 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* <sup>1</sup>	5 μl
dNTP Mixture* <sup>2</sup> (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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