

Template for PCR pathogen Detection

Positive Control Template VP2

Code No. S046 **Size:** **5 ng**
Conc.: **100 pg/μl**

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

Detectable Gene:

This product is available for positive control template to assure PCR performance when detecting pathogenic genes. (PCR product with positive control template shows different size from PCR product with target pathogenic sample.)

Use in conjunction with Primer VPR -1&2 (for the detection of trh 1&2 gene of *Vibrio parahaemolyticus*) (Cat. #S028).

Amplified Fragment:

with Primer Set VPR (Cat. #S028) : 666 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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