

# GenCheck® Hot-Start PCR Mix (2X)

ALL IN ONE PREMIX TYPE MAKES PCR SIMPLE

This is a 2X premix type for hot-start PCR containing fundamental PCR reagents including high versatility enzyme and dNTP mixture. The specific enzyme could yield high amplification efficiency of target DNA.



1 tube

## FEATURES

- ① : Optimized buffer composition enables highly specific PCR
- ② : Premix type does not require complicated PCR mixture preparation
- ③ : TdT activity enables PCR products for TA cloning application

## CONTENTS

Product name	Code	Volume	Price
GenCheck® Hot-Start PCR Mix (2X)	GC005-1N	1.25 ml (100X reactions)	Contact Us

Storage · Transport : keep frozen (-20°C)

Expire date : 2 years (manufactured)

## PCR REACTIONS

PCR amplification of the targeted 500 bp λ-DNA



2% Agarose S / TAE gel

M : ladder marker  
 Lane1 : 10ng    Lane5 : 1pg  
 Lane2 : 1ng    Lane6 : 100fg  
 Lane3 : 100pg    Lane7 : 10fg  
 Lane4 : 10pg    Lane8 : 1fg

## Composition (example)

95°C	10 min	-
95°C	30 S	30 cycles
55°C	30 S	
72°C	1 min	
72°C	7 min	-
4°C	-	-

## Composition (example)

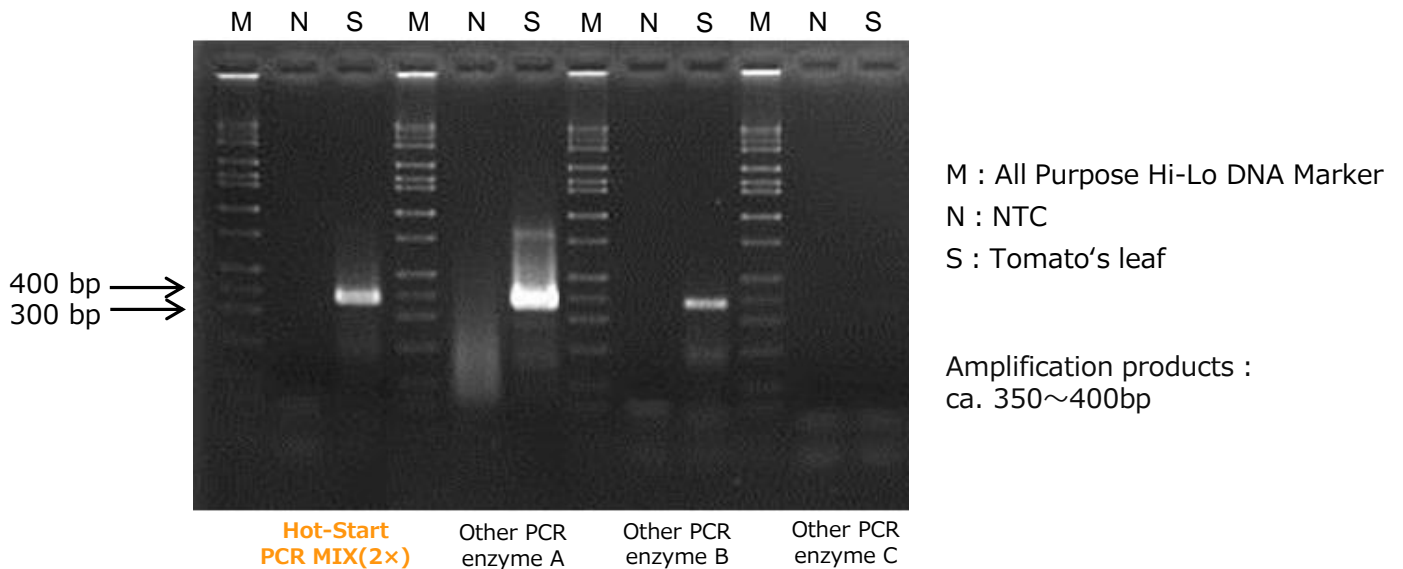
λ-DNA	2.0 μL
GenCheck Hot-Start PCR Mix	12.5 μL
10 μM F-Primer	0.625 μL
10 μM R-Primer	0.625 μL
Distilled water	Up to 25 μL

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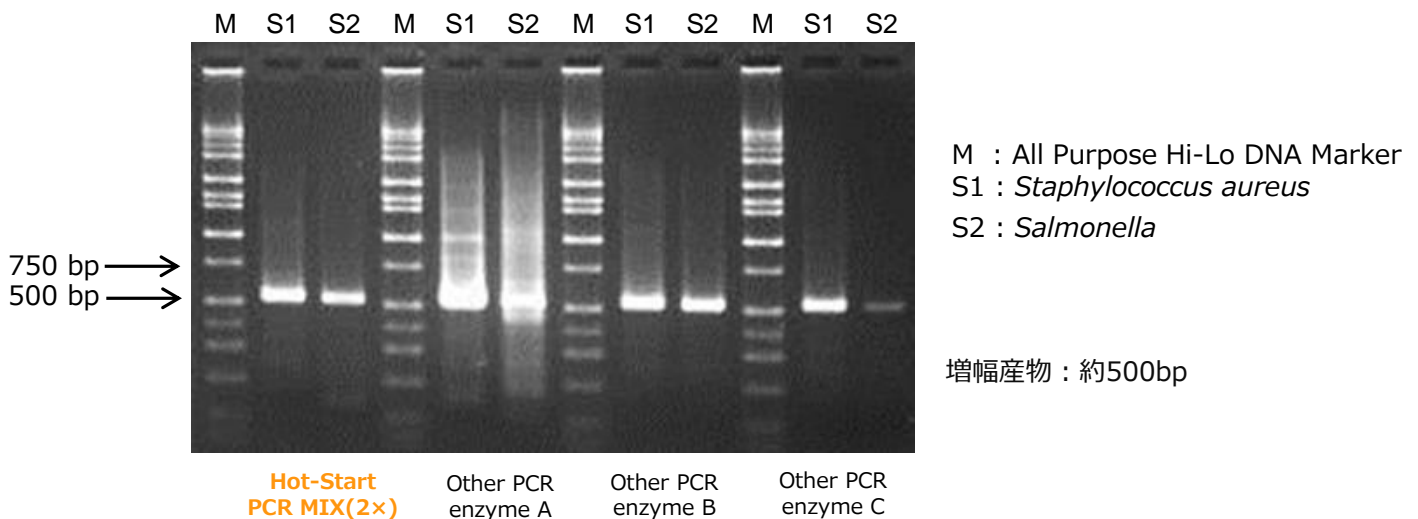
## EXPERIMENT EXAMPLE ①: Plants

Plant samples (tomato's leaf) ca. 1mm<sup>2</sup> was extracted using GenCheck® DNA Extraction Reagent (FASMAC) for 10min. A 2.5μL extracted DNA was added into the premix and specific primer for foreign plant material detection up to 25μL prior to PCR amplification.



## EXPERIMENT EXAMPLE ② Microorganism

Collected colony was extracted using GenCheck® DNA Extraction Reagent (FASMAC) for 10min. A 2.5μL extracted DNA was added into the premix and specific primer for *Staphylococcus aureus* and *Salmonella* detection up to 25μL prior to PCR amplification.



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