# **SG-PCR premix-EX** SGsystem

Cat. No	Volume	Note
SG-P004EX	1 mℓ (100rxn) 5EA	10ul/ 20ul reaction 2x Ready-to-use mix

### Description

SGsystem's SG-PCR Premix-EX is an optimized mixture composed of enzyme, reaction buffer and dNTP mixture at a 2-fold concentration. SG-PCR Premix-EX is designed to allow the user quick and easy reaction assembly of the reaction. Users should adjust a final reaction to 1x (ex. For 20ul PCR reaction, dispense by 10ul each tube). This enzyme performance is confirmed by successful amplification of a 10 kb lambda DNA template. PCR products amplified with SG-PCR DNA Polymerase have 3'-dA overhangs and blunt ends.

#### Features

- High yield or high sensitivity PCR
- PCR products generated with SG-PCR DNA Polymerase contain a mixture of 3'-dA overhangs and blunt • ends.
- Max size : 10 kbp

#### Storage condition

- Store at -20 ℃ •
- Repeated freeze-thaw cycles may decrease the enzyme activity.
- SG-PCR Premix-EX is stable for at least 2 years at recommended storage condition

## General reaction mixture for PCR (total 20 ul)

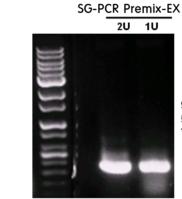
SG-PCR Premix-EX :	10 ul
Template :	0.1-10 ng
Primer 1(10 pmol/ul) :	0.5 ul
Primer 2(10 pmol/ul) :	0.5 ul
Sterilized distilled water :	up to 20 ul

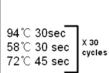
### PCR conditions

Initial denature a	at 95 °C : 3 min	
95 ℃	30 sec	
<b>Tm-4</b> ℃	30 sec	
72℃	30-60 sec/kbp	
* 25~45 PCR cycles		

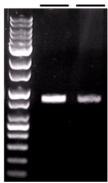
FOR RESEARCH USE ONLY NOT FOR USE IN HUMANS

SGbio Tel:+82-2-1599-3378 Fax : +82-2-6919-4025





SG-PCR Brand T



1 ng Template 0.5ul primer mix(10 pmol each) Total 20 ul reaction(1unit)

