

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 °C
- 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 at 95 °C : 3 min
 95 °C 30 sec
 Tm-4°C 30 sec
 72 °C 30-60 sec/kbp
 * 25~45 PCR cycles

**FOR RESEARCH USE ONLY
 NOT FOR USE IN HUMANS**

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