SuperAdd Taq Master (2x Conc.)

Research Use Only

Product Code

38101

Component

1. SuperAdd Taq Master (2x conc.) 1.0 ml

Storage Condition

Store at -20℃

Description

SuperAdd Taq Master is composed of SuperAdd Taq DNA Polymerase, reaction buffer, dNTP mixture, enzyme stabilizer, sediment which is needed for electrophoresis, and loading dye.
SuperAdd Taq DNA Polymerase is mixed PCR enzyme that Taq DNA Polymerase and other DNA Polymerase with high proofreading and synthetic speed in optimal condition.
Also SuperAdd Taq Master is easy to obtain PCR products in case of over 5kb as well as under 10kb of DNA amplified products (Long PCR).

Components of SuperAdd Taq Master as 2x conc.

20mM Tris-HCl (pH8.8), 100mM KCl, 0.2% Triton® X-100, 4mM $MgCl_2$. Protein stabilizer, sediment, loading dye and 0.5mM each of dATP, dCTP, dGTP, and dTTP

Storage and Stability

SuperAdd Taq Master (2x conc.) is stable for 2 years when stored in a constant temperature freezer at less than -20℃.

Made in KOREA This product was manufactured through ISO 9001 & 13485 system.

Nucleic Acid Amplification Protocol

1. Add the following components to a thin-walled PCR tube:

Nuclease-Free Water	x µl
SuperAdd Taq Master (2x conc.)	10 µl
Forward primer (10 µM)	0.25~2.0 µl
Reverse primer (10 µM)	0.25~2.0 µl
DNA template	x µl
Total reaction volume	20µl

* Recommendation for template DNA concentration in a 20 µl reaction volume
  1) Human genomic DNA: 0.1 ng ~ 1 µg
  2) Bacterial genomic DNA: 0.1 ng ~ 100 ng
  3) Plasmid DNA: 0.01 ng ~ 5 ng

2. PCR cycling

Initial Denaturation	95℃, 5 min
PCR Cycling (25 – 40 cycles)	95℃, 15 – 30 sec
	55 - 65℃, 15 – 30sec
	72℃, 30 sec per kb of product length
Final Extension	72℃, 5 min
Hold	12℃, ∞

Note: For PCR products longer than 3~4kb, use an extension time of approximately 1min per kb DNA.

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