AddMulti Taq Master (2x Conc.)

Research Use Only

Product Code

37101

Component

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

Storage Condition

Store at -20℃

Description

AddMulti Taq Master is supplied as a 2x concentrated master mixture type containing all the reagents needed to perform multiplex PCR. This product contains optimized concentrations of hot-start Taq DNA Polymerase, dNTPs mixture, $MgCl_2$ and reaction buffer for multiplex PCR.
Multiplex PCR is a powerful technique that enables amplification of more than two target genes in parallel in a single reaction tube.
It is widely used in genotyping applications and different areas of DNA testing in research, forensic, and diagnostic laboratories.

Components of AddMulti 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 0.5 mM each of dATP, dCTP, dGTP, dTTP

Storage and Stability

AddMulti 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
AddMulti 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	20 µl

* 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℃, 10 min
PCR cycling (25 – 40 cycles)	95℃, 15 – 30 sec
	55 - 65℃, 15 – 30 sec
	72℃, 30 sec per kb of product length
Final extension	72℃, 5 min
Hold	12℃, ∞

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