AddMulti Taq DNA Master (2x conc.) with or without UDG

Product Information

Product Code 37101 (without UDG), 37101U (with UDG)

Provided with

Cat. No. 37101: AddMulti Taq DNA Master (2x conc.) 1.0 mL x 5 tubes
Cat. No. 37101U: AddMulti Taq DNA Master (2x conc.) with UDG 1.0 mL x 5 tubes

Storage Conditions -10°C ~ -30°C

Stability Stable for 2 years from manufacturing date.

Components of AddMulti Taq DNA Master (2x conc.)

AddStart Taq DNA Polymerase, Tris-HCl (pH8.8), Potassium Chloride, Ammonium Sulfate, $MgCl_2$, Protein stabilizer, sediment, loading dye (Orange G) and dNTP mixture.

Description

AddMulti Taq DNA Master (2x conc.) is a ready-to-use mixture with AddStart Taq DNA Polymerase, reaction buffer with $MgCl_2$, dNTPs, sediment, PCR enhancer and loading dye (Orange G) for PCR and electrophoresis. In case of AddMulti Taq DNA Master with UDG (2x conc., 37101U) contains UDG (Uracil-DNA Glycosylase) for prevention of carryover contamination from amplification products.
AddMulti Taq DNA Master (2x conc.) is for multi-plex PCR and can amplify 5 ~ 15 target genes in one - tube reaction.

Applications

- Multi - plex PCR
- General PCR
- Colony PCR
- Screening PCR
- Cloning

Nucleic Acid Amplification Procedure

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

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

* For multi-plex PCR, a user should optimize the concentration of multi-primer set for get good results.

2. PCR cycling

UDG reaction (optional)*	50°C, 3 min
Initial denaturation	95°C, 5 - 10 min
PCR cycling (30 - 40 cycles)	95°C, 15 - 30 sec
	55 - 65°C, 15 - 30 sec
	72°C, 30 - 60 sec
Final extension	72°C, 5 min
Hold	12°C, ∞

* If use AddMulti Taq DNA Master with UDG, this step is included in PCR cycling.

Manufacture

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