

Fast-Run™ Advanced *Taq* Master Mix

Cat # : PT-TMM-AD

Size : 100 Reactions

Product Description:

The Fast-Run™ Advanced *Taq* Master Mix is a ready-to-use 2X PCR mixture for all PCR applications. It offers a convenient, reproducible PCR mix that minimizes the multiple handling steps associated with setting up a PCR. It is supplied in 4 °C stored package containing advanced *Taq* DNA polymerase (w/ proof-reading function), reaction buffer, dNTPs, and MgCl₂. It can amplify up to 20kb specific DNA fragment from 1ng lambda DNA. Users only have to add primers, template and water to a final volume of 50 µL to have a complete PCR reaction mix. After PCR program finished, the presence of premixed dyes allow users to directly load the PCR reaction mix onto the agarose gel for DNA electrophoresis.

Components: Store at 4 °C

1.25mL x 2tubes (100 rxns)

General Protocol:

Set up as follows:

Reaction Mix Preparation Table

Component	Volume
Upstream primer (10 µM)	1 µL
Downstream primer (10 µM)	1 µL
DNA template	X* µL
Fast-Run™ Advanced <i>Taq</i> Master Mix	25 µL
Sterile H ₂ O	Up to 50 µL

* X is variable depend on user's condition.

Suggested PCR Program

Stage		Temperature	Time
Initial denature		94-95°C	1-5 min
Denature	25-40 cycles	94-95°C	15-30 sec
Annealing		55-60°C	10-30 sec
Extension		72°C	1 min per kb
Final extension		72 °C	5-10 min
Preservation		4-10 °C	

- For experimental sample, please test for your own cycle conditions.
- This PCR mix could be stored in 4 °C for at least 1 year.

Research Use Only

Please do not hesitate to contact us while you have any questions.

Manufactured for and distributed by Protech Technology Enterprise Co., Ltd.

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