

# SuperRun PCR Mix

Cat # : PT-TMM-RTU      Size : 96 Reactions (96 tubes)

## Product Description:

The SuperRun PCR Mix is a ready to use 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 as single PCR tube -20 °C stored package containing lyophilized mixture of *Taq* DNA polymerase, reaction buffer, dNTPs, MgCl<sub>2</sub>, stabilizers, and tracking dyes in each tube. It can amplify up to 5kb specific DNA fragment from lambda DNA. Users only have to add primers, template and water to a final volume of 25 µL to have a complete PCR reaction mix. After PCR program finished, the presence of premixed dyes, Xylene Cyanol EF and Bromophenol Blue, allows users to directly load the PCR reaction mix onto the agarose gel for DNA electrophoresis.

## Components: Store at -20 °C

96 tubes lyophilized PCR mix

## 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
Sterile H <sub>2</sub> O	Up to 25 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.
- The PCR mix is supplied as single PCR tube form, which avoids contamination of frequent use.  
Each tube is sufficient for 1 reactions of 25 µL PCR.
- The PCR mix is stored in -20 °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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