

5X Taq Master Mix RED

Cat No: PT-TMM528-R Size: 200 Reactions

Date: 2021.11.25

Cat No: SA-TMM528-R Size: 20 Reactions

Version: 2021.11 v2

Store at 4°C for at least 1 year

Product Description:

The 5X Taq Master Mix RED is ready-to-use PCR mixture for all PCR applications. It offers a convenient, reproducible PCR mix that minimizes the multiple handling steps during a PCR setup. It's robust formula is well suited to all type of DNA templates, including DNA template extracted with QuickExtract solutions (Cat. No. QE09050). It is supplied as 2 tubes package stored at 4°C, containing a 5X concentrated ready-to-use mixture of Taq DNA polymerase, reaction buffer, MgCl₂, dNTPs, enzyme stabilizer, and tracking dyes. It can amplify up to 5kb of specific DNA fragments from 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 reaction, the presence of two pre-mixed dyes allows users to directly load the PCR reaction mix onto an agarose gel for DNA electrophoresis.

Components:

- PT-TMM528-R: 2mL (1mL/tube, 2 tubes)
- SA-TMM528-R: 200µL

General protocol set up as below:

Recommended PCR reaction mix		Recommended PCR Program (For Routine PCR & Colony PCR)			
Components	Volume	Stage	Temp.	Time	Cycles
Forward primer (10 µM)	1 µL	Initial denaturation	95°C	5 min	1
Reverse primer (10 µM)	1 µL	Denaturation	95°C	30 sec	30-35
DNA Template	X µL (variable)	*Annealing	55 -68°C	30 sec	
5X Taq Master Mix RED	10 µL	Extension	72°C	1min per kb	
Sterile water	Up to 50 µL	Final Extension	72°C	5-10 min	1
		Hold	4°C		

*Annealing temperature: Running a gradient PCR to confirm the best annealing temperature.

***Research Use Only ***

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

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