

2×AMPQX® PCR Master Mix for PAGE

Cat. no. LM201005

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Product Information

Product	2 × AMPQX® PCR Master Mix for PAGE
Catalog No.	LM201005
Size	1 mL/5 × 1 mL/50 × 1 mL
Storage conditions	This product should be stored at -20 °C for 1 years.

2.Product description

2 × AMPQX® PCR Master Mix for PAGE contains thermally stable ligand-modified Taq DNA Polymerase, fused 3'-5'-corrected active factors and an optimized buffer system, with excellent inhibition tolerance and amplification efficiency. Reagent contains dNTP and Mg²⁺ required for amplification, and PCR reaction can be performed only by adding primers and templates, avoiding various losses caused by the addition process. Mix also contains tracer dye, which can be subjected to agarose gel electrophoresis and polyacrylamide gel electrophoresis directly after PCR reaction. In addition, the protective agent added to the system allows the product to maintain a stable activity after repeated freezing and thawing. It can be used with the high-resolution PAGE prefabricated glue, which is more convenient to operate!

3.Instructions

3.1.Recommended PCR reaction systems.

Components	Volume (μL)	Final concentration
ddH ₂ O	Up to 50	-
2 × AMPQX® Robust PCR Master Mix	25	-
Template	x	-
Forward Primer 10 μmol/L	2	-
Reverse Primer 10 μmol/L	2	-

[Note]: Reaction buffer: The buffer contains 2 mM Mg²⁺ and the optimized dNTPs components.

Recommended usage of the different templates:

Template types	Range sage range (50 µL reaction system)
ggDNA or cDNA (RNA equivalent)	1 - 1000 ng
Plasmid or viral DNA	10 pg - 100 ng

3.2.Reaction program

Cycle step	Temp.	Time	Cycles
Initial denaturation	95°C	3 min	1
Denaturation	95°C	15 sec	30-35
Annealing	60°C	15 sec	
Extension	72°C	10 sec/kb	
Final extension	72°C	5 min	1

4.Notes

1. For your safety and health, please wear a lab coat and disposable gloves during operation.
2. This product is for research use only!