

2x Genotyping PCR Ready Mix (Catalog# TBS4003, 250 tests, Store at -20°C)

DESCRIPTION

The 2x Genotyping PCR Ready Mix is a ready-to-use solution containing all reagents required for PCR, including Taq DNA polymerase, dNTPs, MgCl₂, reaction buffer, tracking dye, density, and PCR stabilizer and enhancer at optimal concentrations for consistent and efficient PCR amplification. It simplifies PCR assembly, so that only primers, DNA template and water need to be added, and the PCR products can be directly loaded onto electrophoresis gel (See image).

APPLICATIONS

- Genotyping.
- DNA mutagenesis.

KIT CONTENTS

2x 1.25 mL of 2x PCR Ready Mix
Sufficient reagent for 250 x 20µL

STORAGE CONDITIONS

The kit is shipped on ice and stored at -20°C for long-term storage. Shelf life of 12 months after receipt.

KEY FEATURES

Fidelity: The optimized Enzyme and PCR condition can make specific amplification of target genes.

Accurate: The optimal buffer condition and specific engineered Taq DNA polymerase have increased the efficiency of PCR amplifications

Simple: All you need to do is to add primers, template, and water for PCR reaction.

Timesaving: No Loading Dye Required. The PCR products can be directly loaded onto electrophoresis gel.

SUGGESTED PCR PROTOCOL

20 µL/reaction

2x PCR Mix: 10 µL

Forward Primer: 10-20 pmol

Reverse Primer: 10-20 pmol

DNA template: <2 µL

Nuclease-free H₂O: up to 20 µL

SUGGESTED PCR CONDITIONS

Step 1: 94°C for 1 minute

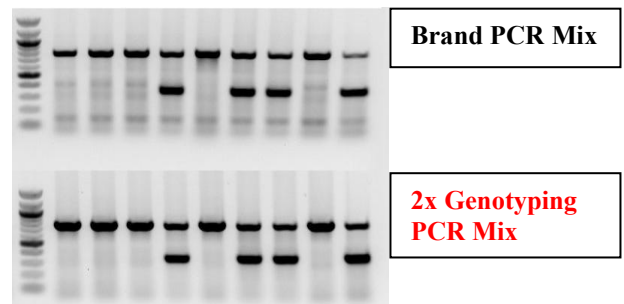
Step 2: 94°C for 15 seconds.

Step 3: 55-65°C for 30-90 seconds.

Step 4: 72°C for 30 seconds

Step 5: 25-35 cycles of steps 2-4

Step 6: 72°C for 5 minutes



Comparison between 2x Genotyping PCR and Brand PCR Mix

RELATED PRODUCTS

Tail DNA Extraction kit (TBS6005)

Fast DNA Extraction kit (TBS6008)

2x PCR Red Mix kit (TBS4004)

Mouse Genotyping System (TBS4033)

Sybr Green qPCR Supper Mix (TBS4001)

Taqman Probe qPCR Supper Mix (TBS4002)

All-in-One RT Kit (TBS4006)

For research use only