

2x Genotyping PCR Ready Master Mix

Cat. #: T403 (250 x 20µL reactions) T403M (125 x 20µL reactions) T403S (50 x 20µL reactions)

Ship and Storage: ship at 4°C, store at -20°C

Shelf Life: 12 months

Product Description

This 2x Genotyping PCR Ready Master Mix is a ready-to-use solution containing all reagents required for PCR, including Taq DNA polymerase, dNTPs, MgCl₂, reaction buffer, tracking dye, density, 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). This kit works perfect for T605 Mouse Tail DNA kit.

Key Features

Convenient: 2x Genotyping PCR Ready Mix contains all components for PCR amplification. All you need to do is to add primers, template, and water for PCR reaction.

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

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

This product is for research use only.

Product Components:

Components	T403	T403M	T403S
2x PCR Ready Master Mix	2 x 1.25 mL	1.25 mL	0.5 mL
DNase free water	2 x 1.25 mL	1.25 mL	0.5 mL

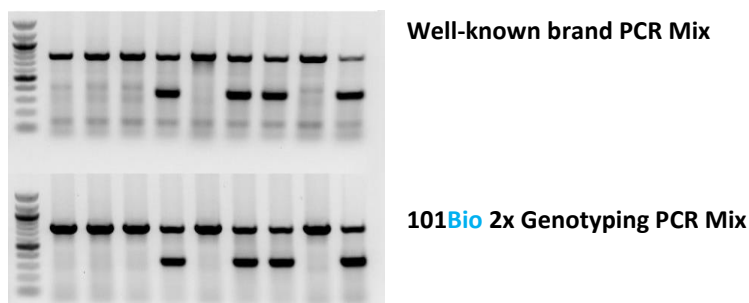
This kit works perfect for our Mouse Tail DNA Extraction kit (Cat. #: T605).

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:** 95°C for 5-10 minutes;
- Step 2:** 95°C for 10-30 seconds;
- Step 3:** 55-65°C for 30-90 seconds;
- Step 4:** 72°C for 30-120 seconds;
- Step 5:** 25-35 cycles of steps 2-4
- Step 6:** 72°C for 5-10 minutes



Comparison between 101Bio 2x Genotyping PCR and well-known brand PCR Mix

Related Products:

1-Drop PCR Master Mix (1x, with dye), Cat.#: W2599-5

References:

1. Birch DE. (1996): Simplified hot start PCR. Nature, 381(6581): 445-446
2. Kellogg DE et al (1994): [TagStart Antibody: "hot start" PCR facilitated by a neutralizing monoclonal antibody directed against Taq DNA polymerase.](#) Biotechniques. 16(6): 1134-7

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Related Products:

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