



Tinzyme Co., Limited

Email: sales@tinzyme.com

Website: www.tinzyme.com

Tel: +86-755-86134126

WhatsApp/Facebook/Twitter: +86-189-22896756

SNP Genotyping qPCR MIX, UNG

Product Number: PCM15G

Shipping and Storage :

-20±5°C, if you need to use frequently, store at 2-8°C, try to avoid repeated freeze-thaw.

Components

Component	PCM15G
	1ml
2×SNP Genotyping qPCR MIX, UNG	1ml
ddH ₂ O	1ml

Description

2×SNP Genotyping qPCR MIX, UNG is dedicated to probe-based SNP typing Real-time PCR premix systems at 2× concentrations, including Taq DNA Polymerase, PCR Buffer, dNTPs, Mg²⁺ and reinforcing agents and stabilizers are simple and convenient to operate, and this product is introduced dUTP/UNG antifouling Staining system, which greatly reduces false positives due to amplification products. Unique PCR buffer system on blood, saliva Complex templates such as liquid are highly tolerant and support direct expansion of oral swab fluid and blood with a final concentration of no more than 15%. There is no need for complicated extraction and preservation processes. Typing results are fast and accurate

Pre-experiment preparation and important notes

1. Please mix gently upside down before use, try to avoid foaming, and use after a short centrifugation.
2. Avoid repeated freeze-thawing of this product, repeated freeze-thawing may degrade the performance of the product. This product can be placed in for long-term storage Store at -20±5°C in the dark. If frequent use is required in the short term, it can be stored at 2-8 °C.

Protocol

Take primers for the first time as an example:

1. PCR reaction system

Reagent	25μL PCR reaction	Final Concentration
2×SNP Genotyping qPCR MIX, UNG	12.5μL	1×
Forward Primer, 10 μM	0.5μL	0.2μM
Reverse Primer, 10 μM	0.5μL	0.2μM
Probe, 10 μM	0.5μL	0.2μM
Template DNA	Amount	
ddH ₂ O	Up to 25μL	

2. Annealing temperatures are optimized separately using different genotype standards that need to be typed to achieve better results parting effect.
3. Template processing
 - 3.1. Blood template, which can be directly diluted to different concentrations with ddH₂O for amplification, with a final concentration of 2% blood recommended. The liquid is used as a template for typing and amplification.
 - 3.2. Oral swab template, the swab can be gently scraped on the inner wall of the mouth about 6 times, and placed in 400μL~1000μL ddH₂O shaking and mixing and directly used as a template.
4. PCR reaction procedure

This product can be used by a two-step PCR reaction procedure

For Research Use Only



Tinzyme Co., Limited

Email: sales@tinzyme.com

Website: www.tinzyme.com

Tel: +86-755-86134126

WhatsApp/Facebook/Twitter: +86-189-22896756

Step	Temperature	Time
UNG digestion	37°C	2 min
Pre-denaturation	95°C	30 s
Denaturation	95°C	10 s
Annealing/extension	60°C(depending on primer)	30s to acquire the signal

} 45cycles

Note:1)Using a two-step PCR reaction procedure, three-step PCR amplification can be attempted if the signal is low or the CT value is large, for example, due to the use of primers with low T_m values.

2)Real-time acquisition signal curve method and final acquisition signal endpoint method can be typed.