



Multiplex Probe ARMS qPCR MasterMix (UDG)

Product Number: PCK26

Shipping and Storage

-20°C.

Components

Component	PCK26
2×Multiplex Probe ARMS qPCR MasterMix (UDG)	1ml×5

Description

Multiplex Probe ARMS qPCR MasterMix (UDG) is suitable for gene typing in ARMS qPCR method, and can perform multiple amplification. It is a premixed system composed of HotStart Taq DNA polymerase, dN (U) TPs, thermosensitive UDG, and carefully optimized reaction buffer that have been specially processed. It is a 2×concentration premixed reagent, and the preparation of PCR reaction solution is simple and convenient during experiments.

After special processing, HotStart Taq DNA polymerase can effectively reduce non-specific amplification caused by non-specific annealing of primers or primer dimerization. Combined with carefully optimized reaction buffer, it is a multiplex amplification reagent specially developed for qPCR optimization of amplification blocking mutation system, with high specificity and sensitivity.

Features

1. High specificity: HotStart Taq DNA polymerase prepared by a special process can perform PCR reaction without the need for hot start, greatly improving the specificity of PCR amplification.
2. Efficient: The carefully formulated RealTime PCR specific 2×SuperMix (UDG) has higher amplification efficiency and sensitivity.
3. Multiple detection: can be applied to multiple amplification systems.

Quality control

All components have been tested and found to have no residual endonucleases, exonucleases, or nucleic acid residues.

Protocol

1. Common reaction systems (20µl)

2×Multiplex Probe ARMS qPCR MasterMix (UDG)	4µl
Upstream primer	0.2-1.0µM(Final Conc.)
Downstream primer	0.2-1.0µM(Final Conc.)
Probe(10µM)	0.05-0.5µM
Template	2-5µl
RNase Free Water	Up to 20µl

2. Recommended PCR reaction procedure

Step	Cycle	Temperature	Time
Pollution digestion	1	37°C	2min
Pre denaturation	1	95°C	5min
Denaturation	40-45	95°C	10s
Annealing/Extension		60°C	30s