



## Super Start High-Specificity Probe qPCR Mix (UDG)

Product Number: PC406

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### Shipping and Storage

-20°C.

### Description

Super Start High specificity Probe qPCR Mix (UDG) is a premixed system composed of HotStart Taq DNA polymerase, UDG enzyme, dNTPs (containing dUTP), and carefully optimized reaction buffer that have undergone special process treatment. It is a 2x 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 has high specificity and sensitivity.

### Features

1. High specificity: HotStart Taq DNA polymerase prepared by a special process, combined with carefully optimized reaction buffer, greatly improves the specificity of PCR amplification.
2. Efficient: The carefully formulated RealTime PCR specific 2×SuperMix has higher amplification efficiency and sensitivity.
3. Quick: The necessary reagents for PCR reaction are collected in one tube, and the reaction system can be prepared in a few minutes.

### Quality control

All components have been tested with no residual endonucleases or exonucleases.

### Protocol

1. Common reaction systems (20µl) :

2×Super Start High specificity Probe qPCR Mix (UDG)	10µl
Upstream primer(10µM)	0.2-1.0µM(Final Conc.)
Downstream primer(10µM)	0.2-1.0µM(Final Conc.)
Probe(10µM)	0.05-0.5µM(Final Conc.)
Template	2-5µl
RNase Free Water	Up to20µl

2. Common PCR reaction programs:

Reaction stage	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