

Hieff Unicon™ TaqMan Multiplex qPCR Master Mix (UDG plus)

Product Information

| Product Name | Cat# | Size |
|---|-----------|--------|
| Hieff Unicon™ TaqMan Multiplex qPCR Master Mix (UDG plus) | 13171ES03 | 1 mL |
| | 13171ES08 | 5 mL |
| | 13171ES60 | 100 mL |

Product Description

Hieff Unicon™ TaqMan Multiplex qPCR Master Mix (UDG plus) is a fluorescent quantitative premix that uses the company's next-generation antibody method to hot-start Taq DNA Polymerase. The 2× Mix premixed reagent contains the reaction buffer and enzyme mix, already contains Mg^{2+} and dNTPs, etc., and adds factors that effectively inhibit non-specific PCR amplification and improve the amplification efficiency of multiplex qPCR reactions, which can ensure primer efficiency while performing up to four reactions. This product contains UDG, which can effectively prevent the risk of aerosol contamination.

Product Components

| Component Number | Component | Cat#/Size | | |
|------------------|-------------------|---------------------|---------------------|-----------------------|
| | | 13171ES03 (1 mL) | 13171ES08 (5 mL) | 13171ES60 (100 mL) |
| 13171-A | 2×TaqMan qPCR mix | 1 mL | 5 mL | 100 mL |

Shipping and Storage

The product is shipped with ice packs and can be stored at -20°C for 1 year.

Reaction System

| Components | Volume (μL) | Final Concentration |
|------------------------|-------------|---------------------|
| 2× TaqMan qPCR mix | 12.5 | 1× |
| Primer mix (10 μmol/L) | x | 0.1-0.5 μmol/L |
| Probe mix (10 μmol/L) | x | 50-250 nmol/L |
| Template | 1-10 | - |
| ddH ₂ O | up to 25 | - |

[Note]: Applicable model: ABI 7500.

Reference Program

| Cycle step | Temp. | Time | Cycles |
|---------------------|-------|--------|--------|
| UDG incubation | 37°C | 5 min | 1 |
| Enzyme activation | 95°C | 5 min | 1 |
| Denaturation | 95°C | 15 sec | 45 |
| Annealing/Extension | 60°C | 30 sec | |

[Note]: The annealing/extension temperature can be appropriately adjusted according to the experimental requirements.

Caution

For your safety and health, please wear lab coats and disposable gloves for operation.