RT-LAMP Probe Master Mix (Lyophilized beads）

Cat.No.:HYB416

Product Description

This product contains reaction buffer, Bst DNA polymerase and heat-resistant reverse transcriptase RT-Enzymes Mix, and freeze-dried protectant components. The reaction buffer contains Mg^{2+}, dNTP and other necessary components for amplification. The product is in the form of freeze-dried pellets, and only primer probes and templates need to be added when using it.

Components

Components	96 T	960 T	9600 T
RT-LAMP Probe Master Mix (Lyophilized beads）	8 T/strip×12	8 T/strip×120	8 T/strip×1200

Storage

Store at 2-8℃, valid for 12 months.

Instructions

1. Take out the corresponding number of Lyophilized beads according to the number of tests.
2. Prepare the reaction system

Component	Volume
RT-LAMP Probe Master Mix (Lyophilized beads）	One piece
10×Primer probe Mix*	5 μL
Template RNA**	45 μL

*10× Primer Mix concentration: 16 μM FIP/BIP, 2 μM F3/B3, 4 μM Loop F/B，4 μM probe;

**It is recommended to dissolve the nucleic acid template in DEPC water.

3. Amplification reaction

Set up the following program on a fluorescent PCR instrument (such as ABI7500, etc.).

Temperature	Time	Cycles
65℃	60s *Collect FAM fluorescence	30

Notes

1. The reaction temperature can be optimized between 62℃-68℃ according to the primer situation;
2. The experiment should be operated in a standardized manner, including the preparation of the reaction system, freeze-drying, sample processing and sample addition;
3. To avoid contamination, it is recommended to prepare the reaction system in a clean bench and add the template in a fume hood in other rooms to avoid false positive interference.