RT-LAMP Fluorescent Master Mix (Lyophilized beads）

Cat.No.:HYB414

Product Description

This product contains reaction buffer, RT-Enzymes Mix for Bst DNA polymerase and heat-resistant reverse transcriptase, lyophilization protector and fluorescent dye components. The reaction buffer contains Mg^{2+}, dNTP and other components necessary for amplification. The product is lyophilized in pellet form, and only primers and templates need to be added for use.

Components

Components	96 T	960 T	9600 T
RT-LAMP Fluorescent 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 Lyophilized beads powder according to the number of tests.
2. Prepare reaction mix

Components	Volume
RT-LAMP Fluorescent Master Mix（Lyophilized beads）	1 piece（2 beads）
10×Primer Mix*	5 μ L
Template DNA/RNA**	45 μ L

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

**Nucleic acid templates are recommended to be dissolved using DEPC water.

3. Reaction program

Set the parameters on the PCR instrument (such as ABI7500) as follows:

Temperature	Time	Cycles
65℃	60s *Collect fluorescent sign	30

Notes

1. The reaction temperature can be optimized between 62°C and 68°C according to the primer conditions.
2. The experiment shall be conducted in a standardized manner, including the preparation of reaction system, sample treatment and sample addition.
3. It is suggested to prepare reaction system in the ultra-clean table and add templates in the fume hood of other rooms to avoid false.