LAMP Fluorescent Master Mix (Lyophilized beads）

Cat.No.:HYB315

Product Description

LAMP Fluorescent Master Mix (Lyophilized beads）contains reaction buffer, Bst DNA polymerase, and freeze-dried protective agent. The reaction buffer contains Mg^{2+}, dNTP and other necessary components for amplification. The product is a freeze-dried pellet formulation, and only primers and templates need to be added when using it.

Components

Components	96 T	960 T	9600 T
LAMP Fluorescent Master Mix (Lyophilized beads）	8T/strip×12	8T/strip×120	8T/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. Preparation of reaction system

Component	Volume
LAMP Fluorescent Master Mix (Lyophilized beads）	One piece (two beads)
10×Primer Mix*	5 μL
Template DNA**	Up to 50 μL

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

**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 fluorescent signal	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, 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.