

RT-LAMP Dye Assay Kit (UDG plus)

Product Information

Product Name	Cat#	Size	Price(\$)
RT-LAMP Dye Assay Kit (UDG plus)	13762ES60	100 T	155
	13762ES80	1,000 T	1395

Product Description

RT-LAMP Kit (UDG plus) contains Bst plus DNA Polymerase, thermotolerant Hifair® III Reverse Transcriptase, Murine RNase Inhibitor (MRI) and UDGase. This product is suitable for LAMP reaction with RNA as template. The UDG in this kit can effectively prevent aerosol contamination.

Package Information

Component Number	Components	Cat#/Size	
		13762ES60 (100 T)	13762ES80 (1,000 T)
13762-A	Bst Buffer	600 µL	6 mL
13762-B	Bst Enzyme Mix (UDG plus)	100 µL	1 mL

Shipping and Storage

1. Shipping

The product is shipped with dry ice.

2. Storage

Part 1: 13762-A should be protected from light and can be stored at -20°C for 6 months.

Part 2: 13762-B can be stored at -20°C for 6 months.

Cautions

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

Preparation of the reaction system

Components	Volume (µL)	Final Concentration
RNase free ddH ₂ O	to 25	-
Bst Buffer	6	1×
10× Primers	2.5	-
Bst Enzyme Mix (UDG plus)	1	-
Template	10 ng-1 µg	-

Note:

1. Bst Buffer contains dN (U) TP and SYTO-9 etc., and the concentration of Mg²⁺ in the 1× Bst Buffer is 8mM.
2. Bst Enzyme Mix (UDG plus) contains a Bst plus DNA Polymerase, thermotolerant Hifair® III Reverse Transcriptase, Murine RNase Inhibitor (MRI) and UDGase.
3. Recommend 10×LAMP Primer Mix: 16 µM FIP/BIP, 2 µM F3/B3, 4 µM Loop F/Loop B. Or, the ratio of other best primer groups can be tested.

Reaction Condition

The components were added, mixed, centrifugated, and reacted ,incubated at 37°C for 2-5min, then incubated _at a consta
nt temperature of 60-65°C for 30-60min and deactivated at 85°C for 5min in a fluorescence quantitative PCR instrument.
The reaction type should be SYBR Green Reagents.