

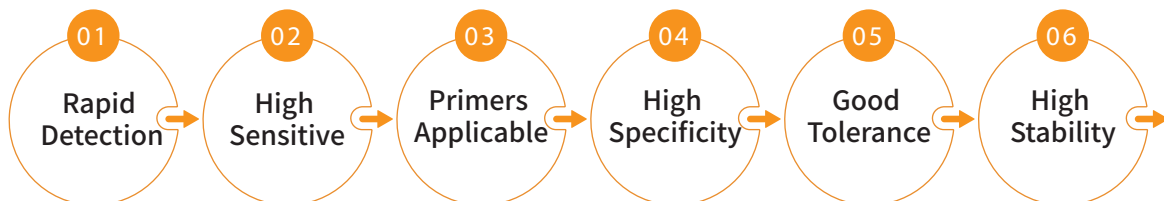
# LAMP/ RT-LAMP



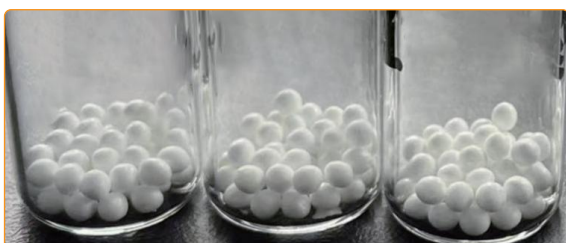
## Lyophilization

LAMP is currently one of the widely applied techniques in the subfield of isothermal amplification. It employs 4-6 primers that recognize six specific regions on the target gene and relies on the strong strand displacement activity of Bst DNA polymerase. Amplification of the target product can reach  $10^9$ - $10^{10}$ -fold within 30 minutes. LAMP detection methods include various approaches such as dye-based methods, pH colorimetry, turbidity measurements, HNB, and calcein, among others. Our latest fluorescent and pH detection reagents exhibit high sensitivity, excellent primer versatility, and outstanding performance in terms of specificity, tolerance, and stability compared to similar products, offering a significant advantage.

## Advantages



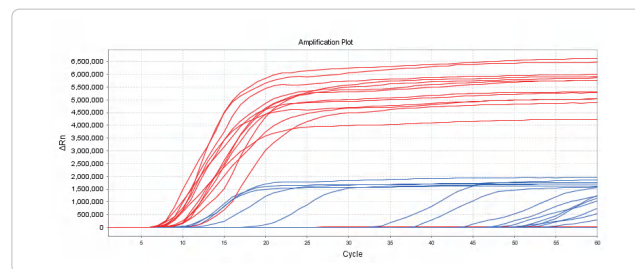
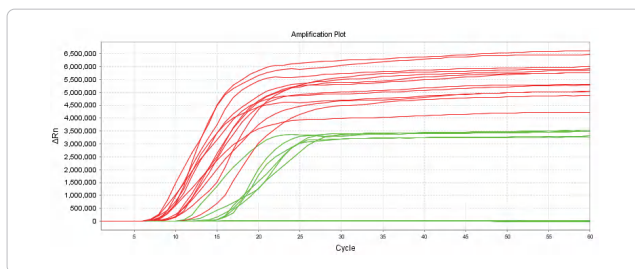
## Lyophilized Beads



Cat: 13762



Cat: 13906



■ Yeasen ■ N1 ■ N2

Figure1: Excellent performance using N primers under 50 copies/Test.

## Cat#13906 RT-LAMP pH Sensitive Dyestuff Kit



50 copies/Test, 25 µL



Negative

## Product

Name	Cat. No.
RT-LAMP Dye Assay Kit	13762ES
RT-LAMP pH Sensitive Dyestuff Kit	13906ES
RT-LAMP COVID-19 Primer Master Mix (N)	13995ES

Category	Name	Cat. No.
Bst	Bst II Plus DNA Polymerase (40 U/µL)	14403ES
	Bst II Plus DNA Polymerase (2000 U/µL)	14402ES
UDG/UNG	Uracil DNA Glycosylase (UDG/UNG), heat-labile, 1U/µL	10303ES
	Hieff® Uracil DNA Glycosylase (UDG, Glyceol-free)	10707ES

Category	Name	Cat. No.
RTase	Hifair® III Reverse Transcriptase	11111ES
	Hifair® III Reverse Transcriptase, 600U/µL, Glycerol-free	11297ES
MRI	Murine RNase inhibitor (40 U/µL)	11297ES
	Murine RNase Inhibitor (200 U/µL)	10610ES
	Murine RNase Inhibitor (200 U/µL, Glycerol-free)	10703ES
dNTP	dNTP Mix (10 mM each)	10125ES
	dUTP, 100mM Solution (100 mM)	10128ES
Dye	EveGreen (20× in water)	10223ES
	SYBR Green I (10,000× in DMSO)	10222ES

## Yeasen Biotechnology

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