

BioRT One-step RT-qPCR Kit (UDG plus)

This product is a one-step reverse transcription amplification (RT-qPCR) reagent, it contains a dUTP/UDG anti-contamination system, the heat-sensitive UDG is activated at room temperature (25°C) and inactivated during reverse transcription at 50°C, which is effectively reducing aerosol contamination. At the same time, the reaction buffer system is optimized to promote the effective amplification of templates.

Features

- **High specificity**

Non-specific reactions can be effectively controlled by hot-start Taq enzyme.

- **Widely Application**

It can be used for probe method.

- **Pollution-free**

dUTP /UDG in qPCR premix can effectively prevent PCR product contamination.

Specifications

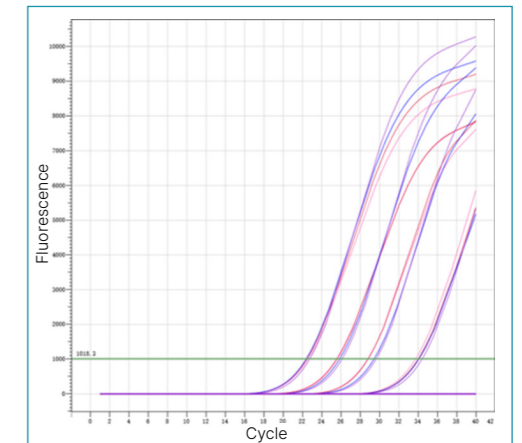
Features	Specifications
Applications	PCR, RT-PCR
Real-time or endpoint	Real-time
Mastermix	Yes
With/ without Uracil-DNA Glycosylase (UDG)	With
Sample/target type	RNA
Single/multiplex	Multiplex
Reaction type	Reverse transcription amplification & PCR amplification
With/without hotstart	With

Application Cases

Case 1

In the experiment of PEDV primer probe detection amplification performance, the amplification curve and the amplification Ct value of some samples of BioRT One-step RT-qPCR Kit(UDG plus) were slightly better than those of the two competing products (N company and T Company).

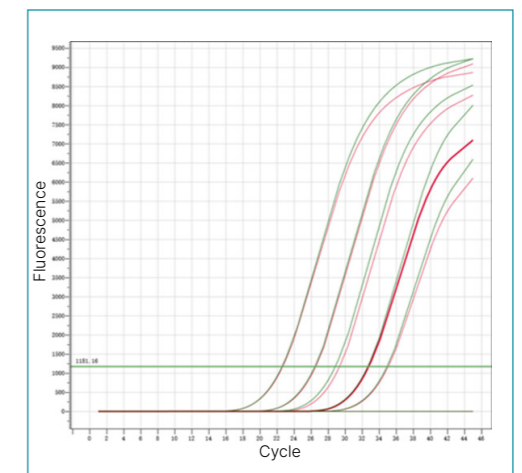
	BSB73	N Company	T Company
Sample 1	22.39	22.34	22.70
Sample 2	25.52	25.79	26.02
Sample 3	28.82	29.36	29.54
Sample 4	34.04	34.01	34.46



Case 2

PEDV primer probe was used to detect the accelerated stability of BioRT One-step RT-qPCR Kit(UDG plus). There was no significant difference in the amplification curves and CT values of the products after acceleration at 37°C for 7 days and 0 days, indicating that the product has good stability.

	37°C 0 d	37°C 7 d
Sample 1	22.87	22.71
Sample 2	26.77	26.56
Sample 3	32.92	32.63
Sample 4	29.44	29.07
Sample 5	35.19	34.99
Negative	-	-



Product Informations

Product Name	Cat.No	Package
BioRT One-step RT-qPCR Kit (UDG plus)	BSB73S1	100 T/Box
	BSB73M1	500 T/Box
	BSB73L1	5000 T/Box