

TransScript[®] II Multiplex Probe One-Step qRT-PCR SuperMix UDG

One-step qRT-PCR Supermix with high sensitivity, synthesis efficiency and amplification efficiency.

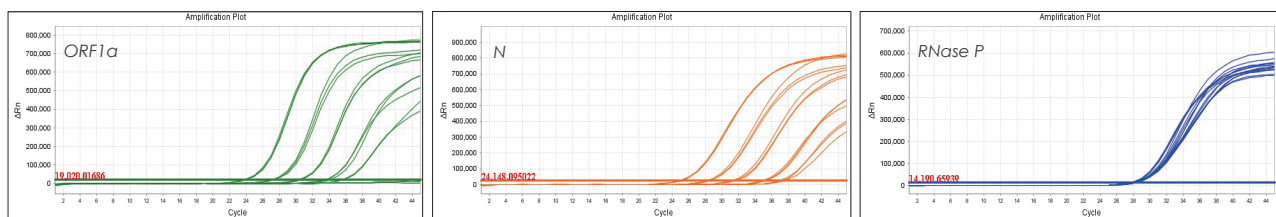
Features

- › Use TransScript[®] II Multiplex Probe One-Step Enzyme Mix UDG and 2×PerfectStart[®] Multiplex Probe One-Step Reaction Mix to efficiently synthesize first-strand cDNA from RNA and perform qPCR. It is easy to operate, reducing the chance of contamination during operation.
- › UDG enzyme and dUTP are used to effectively prevent the DNA carryover contamination in PCR and ensure data accuracy.
- › High sensitivity, high specificity to ensure accurate data.
- › It has a wide range of applications and has been successfully used for the detection of SARS-CoV-2 Virus, Influenza Virus, Swine Fever Virus, Porcine Reproductive and Respiratory Syndrome Virus, Bovine Viral Diarrhea Virus, Shrimp Hemocyte Iridescent Virus, White Spot Syndrome Virus, Taura Virus, etc.

Applications

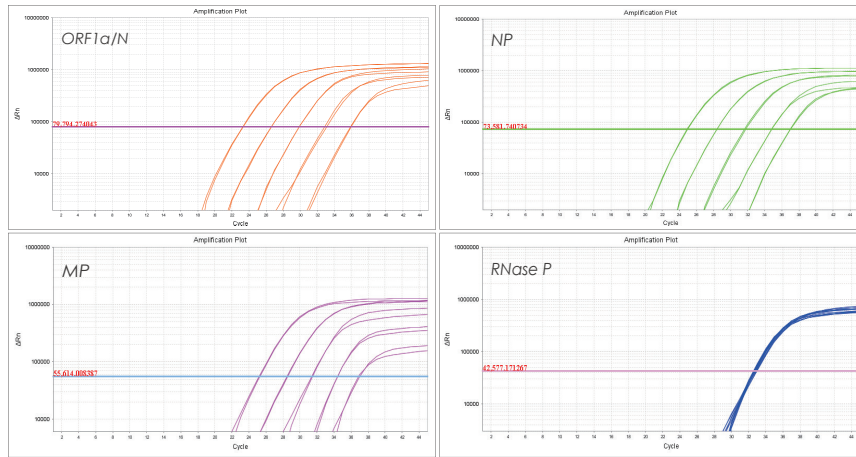
- › Singleplex to 4-plex RT-qPCR detection.
- › High-copy and low-copy gene detection.
- › RNA templates with high GC content or complex secondary structure.
- › Detection of RNA virus or trace amounts of RNA.

High Sensitivity, High Amplification Efficiency



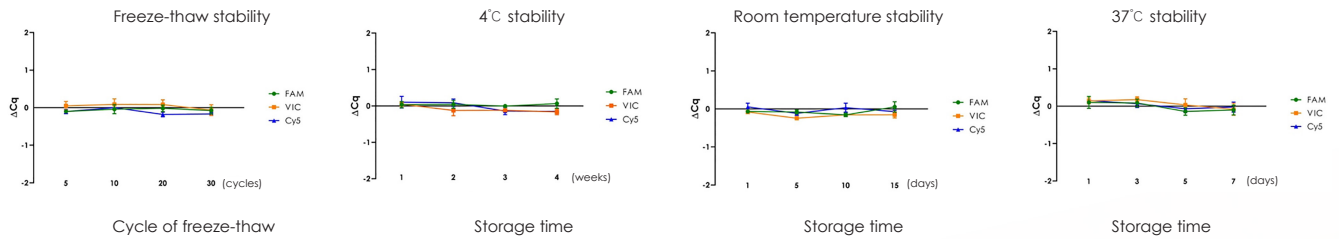
Serial dilutions (5×10^6 copies/ml- 5×10^2 copies/ml, 10-fold dilution) of the SARS-CoV-2 Virus in vitro transcribed RNA standard and constant concentration of Hela cell total RNA mixture were prepared as templates, and ORF1a, N and RNase P genes (internal control gene) were amplified using TransGen product. The results show that TransGen products have high amplification efficiency and sensitivity.

Multiplex PCR Detection



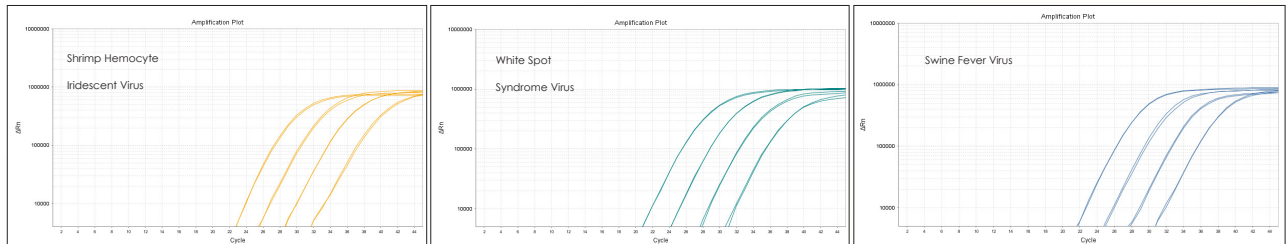
Serial dilutions (5×10^6 copies/ml- 5×10^2 copies/ml, 10-fold dilution) of SARS-CoV-2 Virus, influenza A virus, influenza B virus in vitro transcription of RNA and a constant concentration of human gDNA mixture were prepared as templates and ORF1a/N gene (SARS-CoV-2 Virus), MP gene (influenza A virus), NP gene (influenza B virus) and RNase P gene (endogenous reference gene) were detected by qPCR. The results show that TransGen products can be used for 4-plex PCR detection with a sensitivity of 5×10^2 copies/ml.

Good Stability



After processing under different storage conditions, the performance of TransGen products will not be affected, and stable amplification is still possible

Wide Range of Applications



TransGen products can successfully detect Shrimp Hemocyte Iridescent Virus plasmids, White Spot Syndrome Virus plasmids, and Swine Fever Virus plasmids at different concentrations (10^7 copies/ml- 10^4 copies/ml, 10-fold dilution).

Product Name	Cat. No.	Specification
TransScript® II Multiplex Probe One-Step qRT-PCR SuperMix UDG	AQ322-01	100 rxns×20 μl reaction
	AQ322-02	400 rxns×20 μl reaction

Reminder

If you have any questions, please contact us by customer service hot line +86-400-898-0321

TRANSGEN BIOTECH CO., LTD.

Website www.transgenbiotech.com

Phone +86-10-57815030

Customer Service +86-400-898-0321

E-mail custserv@transgenbiotech.com

Complaints +86-10-57815020

complaints@transgen.com.cn

