

Human Parainfluenza Virus Type 1, Type 2, Type 3 Nucleic Acid Detection Kit (Fluorescence PCR)

Product Introduction

Human parainfluenza viruses (HPIVs) are medically critical respiratory pathogens. Bioer has developed a novel multiplex RT-PCR kit for detecting and identifying HPIV1, -2 and -3. In addition, the human internal reference is added to the kit to monitor the whole process of specimen collection, transportation, nucleic acid extraction and PCR amplification to ensure the effectiveness of the whole process.

Items	Description
Operating time	< 1h
Storage condition	Store at -20±5 °C away from light
Supporting instruments	Bioer 96A, Bioer 96C, ABI7500

Features



- Convenient and fast, High sensitivity and specificity
- Strong anti-interference ability, potential interference substances have no influence on the detection results

Application case

Case 1

Positive reference P1-P12 and negative reference N1-N10 were extracted from Bioer reagent BSC86S1E (CE compliant) according to the requirements and tested.

Results:The results showed that this kit could accurately detect parainfluenza viruses 1/2/3, with positive and negative coincidence rates of 100% and 100%.

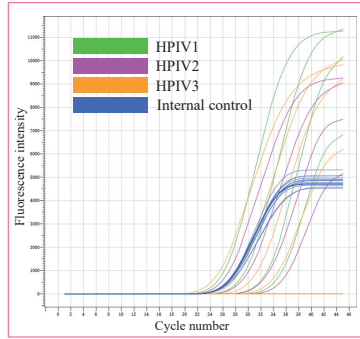


Figure 1 Positive reference

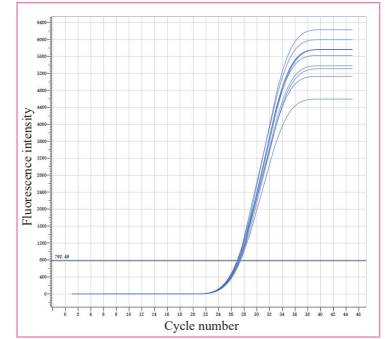


Figure 2 Negative reference

Case 2

Samples of HPIV1, HPIV2, and HPIV3 were respectively extracted and detected by 10-fold gradient dilution using reagent BSC86S1E.

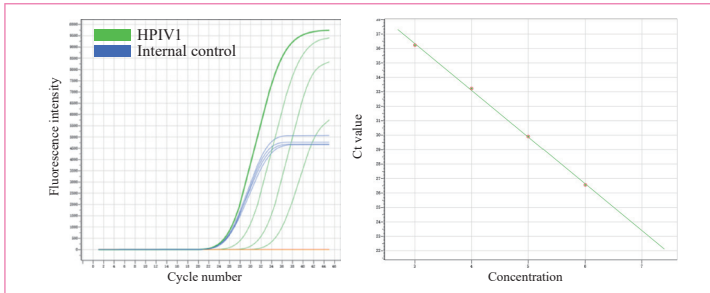


Figure 3 HPIV1 amplification curve and standard curve

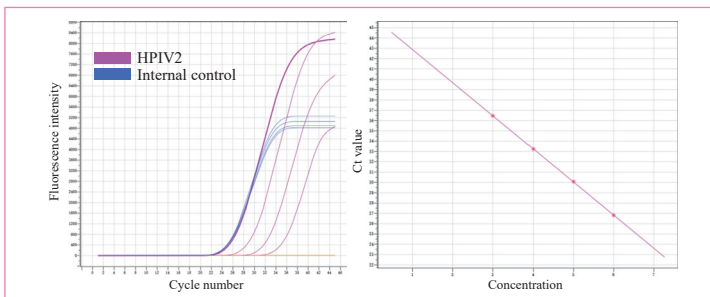


Figure 4 HPIV2 amplification curve and standard curve

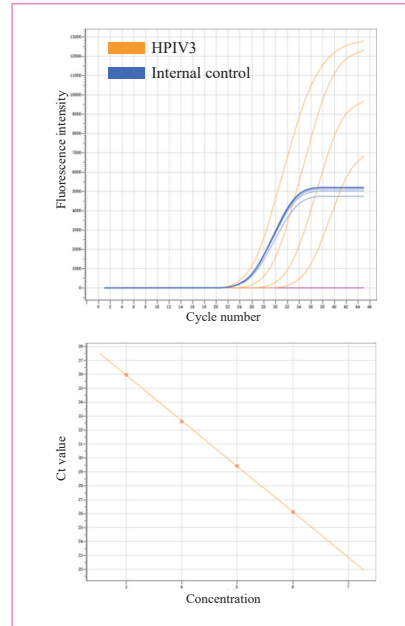


Figure 5 HPIV3 amplification curve and standard curve

Results:The results showed that the correlation coefficients of HPIV1, HPIV2 and HPIV3 amplification were all above 0.995 after extraction and detection by 10-fold gradient dilution, and the linear relationship was good.

Case 3

After the precision reference, J1-J2 was dissolved under the use requirements. Next, detecting three batches of reagents were extracted by the reagent BSC86S1E. The detection was repeated eight times.

Results:The results showed that the coefficient of variation of the precision of the three batches of reagents was less than 5%, indicating that the precision of the reagents was good.

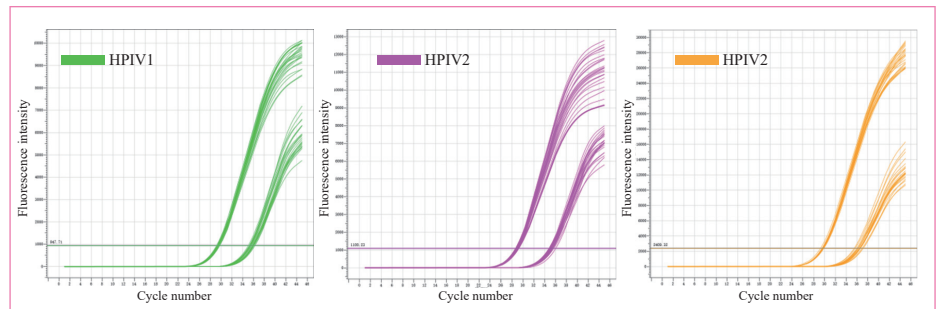


Figure 6 Intra-lot and inter-lot precision

Ordering Information

Product Name	Cat#	Package
Human Parainfluenza Virus Type 1, Type 2, Type 3 Nucleic Acid Detection Kit (Fluorescence PCR)	BSJ11M1	48T
	BSJ11L1	96T



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