

Bocavirus, Human Metapneumovirus and Rhinovirus Nucleic Acid Detection Kit (Fluorescence PCR)

Product Introduction

Bioer has developed a kit for detecting and identifying Human bocavirus (HBoV), Human metapneumovirus (HMPV) and Human rhinovirus (HRV). In addition, this kit adopts the QuantGene 9600 and LineGene 9600 Plus instruments from Bioer to ensure the effectiveness of the whole process.

Items	Description
Sample type	Throat swab
Supporting instruments	Bioer QuantGene 9600 and LineGene 9600 Plus
Run time	40 mins
Storage condition	Store at -20±5 °C away from light

Features



- Convenient and fast
- High sensitivity, specificity and accuracy
- Suitable for human throat swabs

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 HRV, HMPV and HBoV with positive and negative coincidence rates of 100% and 100%.

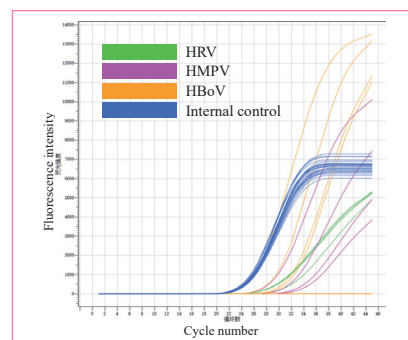


Figure 1 Positive reference and Negative reference

Case 2

Samples of Human rhinovirus, Human metapneumovirus and Human bocavirus were respectively extracted and detected by 10-fold gradient dilution using reagent BSC86S1E.

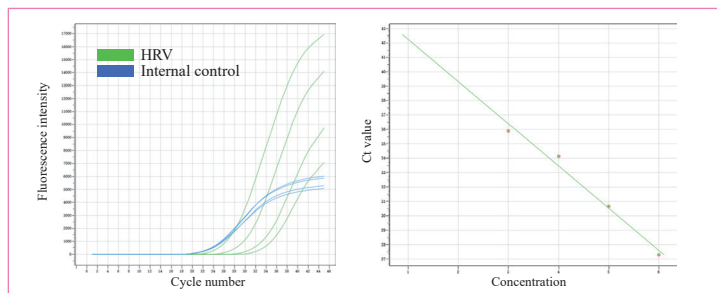


Figure 2 HRV amplification curve and standard curve

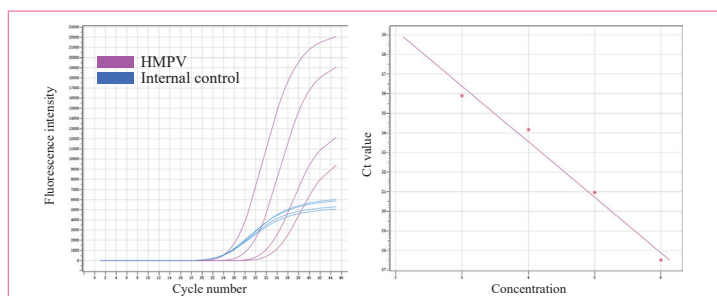


Figure 3 HMPV amplification curve and standard curve

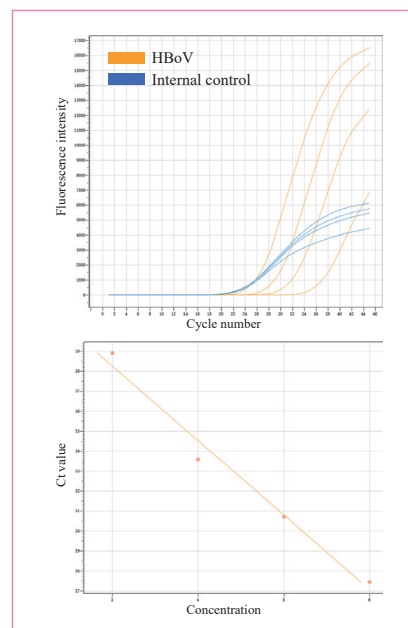


Figure 4 HBoV amplification curve and standard curve

Results:The results showed that the correlation coefficients of HRV, HMPV and HBoV amplification were all above 0.990 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.

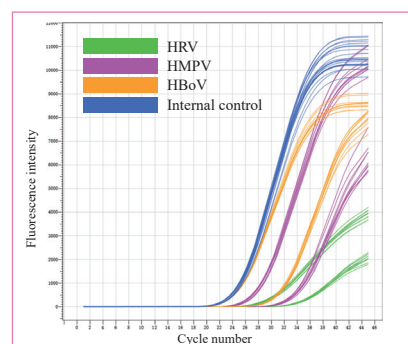


Figure 5 Intra-lot and inter-lot precision

Ordering Information

Product Name	Cat#	Package
Bocavirus, Human Metapneumovirus and Rhinovirus Nucleic Acid Detection Kit (Fluorescence PCR)	BSJ12M1	48T
	BSJ12L1	96T



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