

Porcine Epidemic Diarrhea Virus (PEDV) Nucleic Acid Detection Kit

(Fluorescence PCR Method)

Porcine epidemic diarrhea virus (PEDV) an important enteric virus leading to tremendous economic losses to the global swine industry. PEDV infects pigs of all ages, but most severely neonatal piglets, reaching morbidity and mortality of up to 100% with mortality decreasing as age increases. The clinical signs of the infected pigs are vomiting, acute watery diarrhea, and dehydration. PEDV has spread across many countries, resulting in heavy economic losses to the porcine industry. Therefore, rapid and accurate diagnosis of PEDV is very important.

Tianlong Porcine Epidemic Diarrhea Virus (PEDV) Nucleic Acid Detection Kit is intended to be used for the qualitative detection of PEDV nucleic acid by fluorescence Polymerase Chain Reaction (PCR) method and can assist in the diagnosis of PEDV and public healthcare management.

CLASSIFICATION

- PEDV Genotype G1**
Classic strain
- PEDV Genotype G2**
Variant strain

SIGNS OR SYMPTOMS

- Vomiting**
- Acute watery diarrhea**
- Dehydration and weight loss**

FEATURES

- Reliable Detection**
Qualitative detection of PEDV nucleic acid by fluorescence Polymerase Chain Reaction (PCR) method with a high degree of sensitivity and specificity
- Various Specimen**
Small intestinal empty intestine sample, intestinal content, stool, anal swab, environmental sample
- Endogenous Internal Control**
The use of internal control system in the kit can effectively prevent false negative results
- High Precision**
The precision values of intra and inter Ct values were all < 5%
- Providing Integrated Solution**
Highly efficient and reliable, Tianlong integrated PCR lab solution from devices to reagents can ensure great compatibility and minimized errors

DATA INTERPRETATION

Figure 1: Gradient concentration PEDV amplification curve

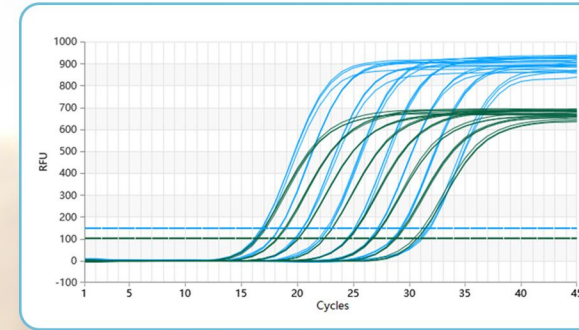
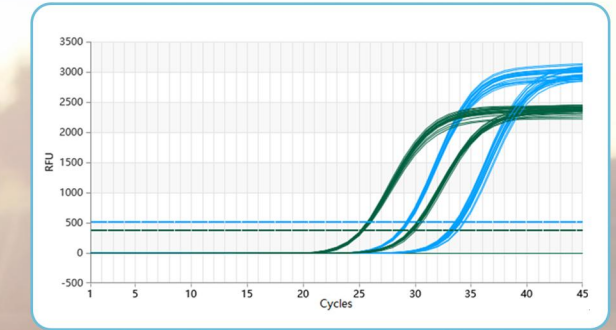


Figure 2: High concentration and low concentration PEDV repetitive amplification curve



ORDERING INFORMATION

Product Name	Porcine Epidemic Diarrhea Virus (PEDV) Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P705H
Specification	50T/Kit
Specimen	Small intestinal empty intestine sample, intestinal content, stool, anal swab, environmental sample
Sensitivity	1000 copies/mL
Precision	< 5%
Storage & Validity	-25~-15°C for 12 months
Applicable Equipment	Instruments with FAM and VIC channels, such as Tianlong Gentier Real-time PCR system, Roche cobas z480, Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System and Applied Biosystems™ 7500 Real-Time PCR Systems

ASSAY WORKFLOW

