

Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Nucleic Acid Detection Kit

(Fluorescence PCR Method)

Porcine reproductive and respiratory syndrome, (PRRS), also named blue ear disease, is a wide-spread disease affecting domestic pigs. As the name suggests there are two syndromes associated with PRRS, reproductive failure in sows, and respiratory disease in young pigs. There is often high mortality, though infected animals can also show no disease at all. And in spite of the name, the blue ears, due to restricted blood supply, are only a transient sign of the disease.

Porcine reproductive and respiratory syndrome (PRRS) is an economically disastrous infectious disease for the global swine industry.

It can be classified into two genotypes, namely the European type (PRRSV-1) and the North American type (PRRSV-2). It is now found in most areas of the world where pigs are raised.

SIGNS OR SYMPTOMS

Breeding pigs:



- ◆ Decrease in conception
- ◆ Increase in premature birthing, late term abortions
- ◆ High preweaning mortality
- ◆ Anorexia
- ◆ Fever
- ◆ Respiratory distress or vomiting
- ◆ Blue colouring due to decrease blood flow (cyanosis) of the ears, abdomen and vulva

Young pigs:



- ◆ Fever
- ◆ Depression
- ◆ Lethargy
- ◆ Pneumonia
- ◆ Difficulty breathing
- ◆ Stunted growth due to systemic disease
- ◆ Increased post weaning mortality

FEATURES



Wide Coverage

Reliable detection of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV), covering the European type (PRRSV-1) and the North American type (PRRSV-2)



Various Specimen

Compatible with multiple sample types, including cell free body fluid sample, whole blood, serum or tissue samples



Real-time RT-PCR based PRRSV detection

Provides a rapid test solution that detects PRRSV with a high degree of sensitivity and specificity



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 PRRSV amplification curve

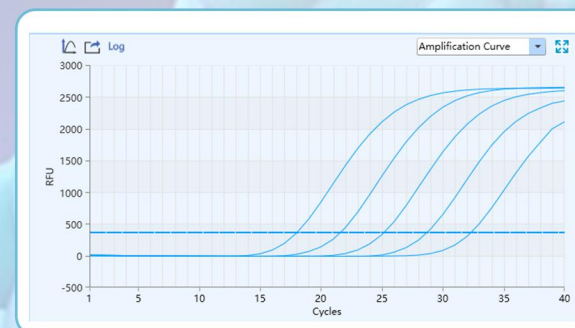
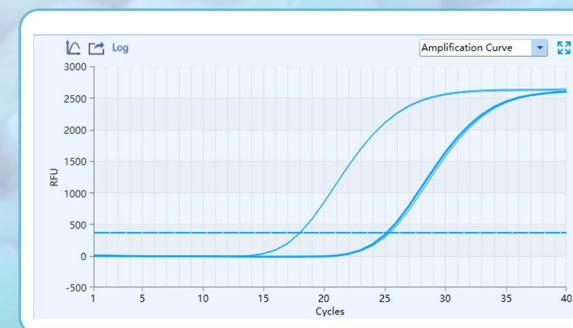


Figure 2: High concentration and low concentration PRRSV repetitive amplification curve

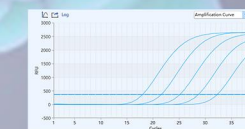


ORDERING INFORMATION

Product Name	Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P632H
Specification	50T/Kit
Specimen	Cell free body fluid sample ,whole blood ,serum or tissue samples
Sensitivity	500 copies/mL
Storage & Validity	-25~-15°C for 12 months
Applicable Equipment	Instruments with FAM and VIC channels, Applied Biosystems™ 7500 Real-Time PCR Systems, TianLong Gentier Real-time PCR systems

ASSAY WORKFLOW

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report



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