

Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) RNA Detection Kit

(Fluorescent PCR Method)

Porcine reproductive and respiratory syndrome, (PRRS), also named blue ear disease, is a widespread 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

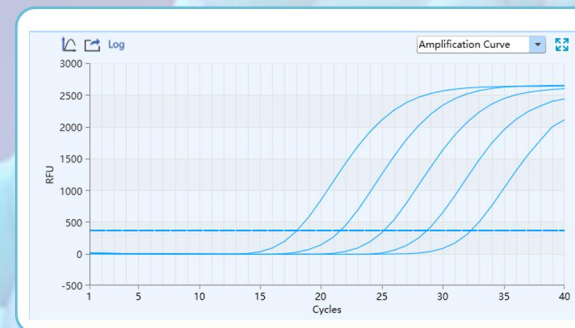
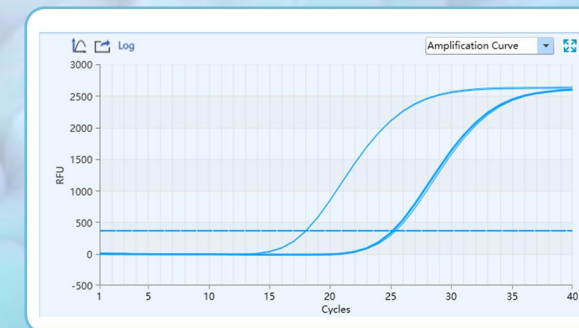


Figure 2: High concentration and low concentration PRRSV repetitive amplification curve



ORDERING INFORMATION

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|-------------------------------|---|---------|
| Product Name | Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) RNA Detection Kit (Fluorescent PCR Method) | |
| Cat.No | P270H | P670H |
| Specification | 25T/Kit | 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 CY5 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

