



ANIGEN Rapid TGE/PED Ag Test Kit

Catalogue NO.: RG14-03

Anigen Rapid TGE/PED Ag Test Kit is a solid phase chromatographic immunoassay for the simultaneous qualitative detection of Transmissible Gastroenteritis (TGE) virus antigen and Porcine Epidemic Diarrhoea (PED) Virus antigen in porcine diarrhoea faeces.

Background

TGE and PED have a similar pathogenesis. The TGE and PED virus are excreted in faeces. An acute outbreak of PED resembles the TGE outbreak. Clinical differentiation between TGE and PED is very difficult. However, as compared with TGE, the incubation period is longer (3-4 days), not all the litters of suckling pigs may become sick, and mortality in neonatal pigs is lower (average 50%).

TGE in its typical epidemic form causes a rapidly spreading diarrhoea in animals of all ages with high mortality in neonates. With PED, the diarrhoea spreads at a slower rate, and although diarrhoea is seen in most of the litters, some litters may remain healthy even in the absence of immunity. Morbidity is 100% in older pigs. The Anigen Rapid TGE/PED Ag test kit detects viral antigens in faeces or intestinal contents and easily differentiates between the PEDV and TGEV in pigs of all ages.



Specifications of TGE Ag

- Principle: Immunochromatographic assay using Direct Sandwich Method
- Monoclonal anti-TGEV (Capture)-**TGEV**-Monoclonal anti-TGEV (Detector)
- Monoclonal antibody against Transmissible Gastroenteritis virus
- Purpose: Detection of Porcine Transmissible Gastroenteritis virus antigen in pig
- Specimen: Diarrheal faeces
- Reading time: 10 minutes
- Sensitivity: 92.1% vs. RT-PCR & IFA
- Specificity: 95.2% vs. RT-PCR & IFA
- No cross reaction against PEDV, Rota virus, PRC virus, BCV, *E.coli*, K88ab, K88ac, 987P, F41, *Salmonella spp.*, *Brachyspira hyodysenteriae*, *Clostridium perfringens*, Coccidium
- Shelf life: 18 months
- Storage temperature: 2~30 °C
- Packing size: 10 individual devices/Kit

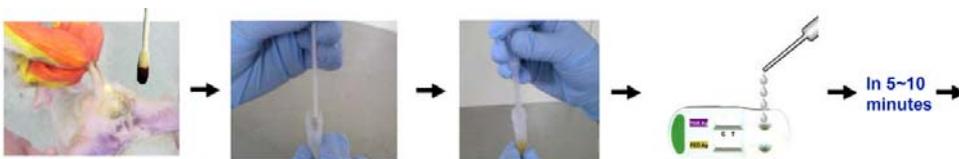
Specifications of PED Ag

- Principle: Immunochromatographic assay using Direct Sandwich Method
- Monoclonal anti-PEDV(Capture)-**PEDV**-Monoclonal anti-PEDV(Detector)
- Monoclonal antibody against PED Virus
- Purpose: Detection of Porcine Epidemic Diarrhoea virus antigen in pig
- Specimen: Diarrheal faeces
- Reading time: 10 minutes
- Sensitivity: 92% vs. RT-PCR
- Specificity: 98% vs. RT-PCR
- No cross reaction against TGEV, Rota virus, PRC virus, BCV, *E.coli*, K88ab, K88ac, 987P, F41, *Salmonella spp.*, *Brachyspira hyodysenteriae*, *Clostridium perfringens*, Coccidium
- Shelf life: 18 months
- Storage temperature: 2~30 °C
- Packing size: 10 individual devices/Kit

Special Features

- **World's first and sole rapid test kit for differential detection of TGEV and PEDV antigen.**
- **High sensitivity Vs current confirmatory RT-PCR**
- **Quick test result allows immediate preventive action to be taken.**
- **Easy test procedure: No technical expertise is required, labour & time saving.**
- **Only one test sample is required for the differential testing.**
- **All components are included in the test kit**
- **Fast diagnosis helps reduce losses to herds.**

Test Procedures



Result Interpretation

1) TGE Ag and, PED Ag Negative result
2) Simultaneous TGE Ag and PED Ag Positive result
3) TGE Ag Positive result
4) PED Ag Positive result