



ANIGEN Rapid PED Ag Test Kit

Catalogue No.: RG14-01

Anigen Rapid PED Ag Test Kit is a solid phase chromatographic immunoassay for the qualitative detection of Porcine Epidemic Diarrhoea virus antigen in porcine faeces.

Background

Porcine epidemic diarrhoea virus (PEDV) is a member of the coronavirus group which causes watery diarrhoea, dehydration and high mortality in suckling pigs. Porcine Transmissible Gastroenteritis (TGE) virus is serologically unrelated with PEDV, but clinically these two virus infections are difficult to differentiate. The PEDV is transmitted by faeces from infected pigs after oral uptake.

Current available laboratory diagnosis in neonates is by direct immunofluorescence on cryostat sections of the small intestine or colon. ELISA and RT-PCR assays to detect viral antigens in faeces or intestinal contents are useful, but require specialized instruments and laboratory personnel. The Anigen Rapid PED Ag Test Kit was developed for a non-expert to rapidly diagnose PEDV in farms or the laboratory.



Specifications

- Principle: Immunochromatographic assay using Direct Sandwich Method
- Monoclonal anti-PEDV (Capture)-**PEDV**-Monoclonal anti-PEDV (Detector)
- Monoclonal antibody against Porcine Epidemic Diarrhoea virus
- Purpose: Detection of Porcine Epidemic Diarrhoea virus antigen in pigs
- Specimen: Diarrhoea faeces
- Reading time: 10 minutes
- Sensitivity: 92% vs. RT-PCR.
- Specificity: 98% vs. RT-PCR.
- No cross reaction against TGE virus, 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

Independent Clinical Evaluation Study

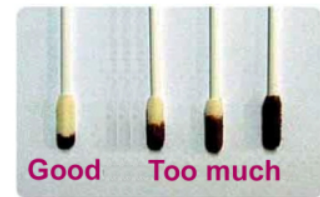
1. The Anigen Rapid PED Ag was tested with PED positive and negative clinical samples confirmed by RT-PCR at the Korean National Veterinary Quarantine Service.

		RT-PCR		
		Positive	Negative	
Anigen Rapid PED Ag	Positive	164	4	Sensitivity: 92%
	Negative	15	184	Specificity: 98%

Special Features

- It is the easiest way to confirm the cause of pig diarrhoea
- Quick test results allow immediate preventive action to be taken
- High sensitivity gives confidence in results
- High specificity with no cross-reactivity
- No specialised equipment or personnel required
- One Step Testing - easy, labour & time saving
- World first & sole PED virus antigen Rapid Test Kit

[Proper sample amount collected by a swab]



Test Procedures

