PED IgA Ab ELISA

Porcine Epidemic Diarrhea virus

Porcine epidemic diarrhea virus (PEDV) is a member of the family Coronaviridae. PEDV causes acute enteritis in swine of all ages, and it is often fatal for neonatal piglets.
To protect piglets from PEDV, Sow transfers immunoglobulin through colostrum to their children until the piglets acquire adaptive immunity. Many reports suggest that IgA is important for protection of PEDV. BIONOTE PED IgA Ab ELISA measures preventive anti PED-virus IgA titers of sow and predict defense capability of piglets induced by passive antibody transfer.

Indications

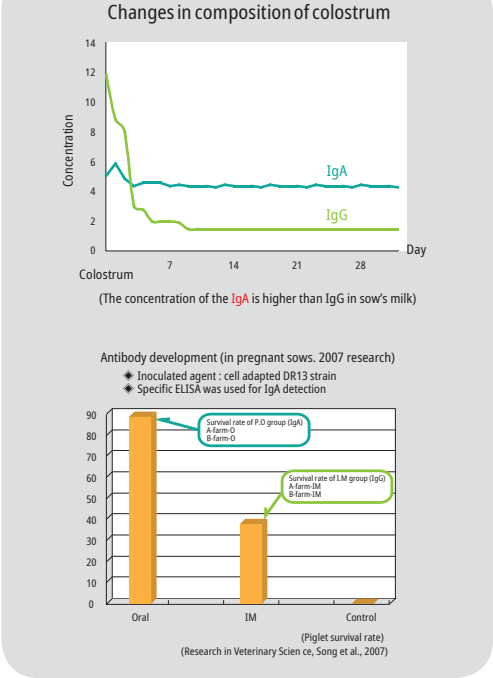
- Quantitative detection of PED IgA antibody
- Screening for defensive capacity against PEDV

Special Features

- Easy sample collection
- Optimal screening method for defensive capacity of PEDV
- Specimen : Colostrum
- Reading Time : 1 hour and 45 minutes
- Survival rate of IgA positive confirmed group after challenge : see tables below

Quick Procedure

1. Prepare PED antigen coated test plate
2. Dispense 100 µl of sample diluent into each well
3. Dispense 10 µl of positive, negative control and samples to each well
4. Incubate the plate at 37±1℃ for 60 minutes
5. Wash the plate 5 times
6. Dispense 100 µl of diluted enzyme conjugate to each well
7. Incubate the wells for 30 minutes at 37±1℃
8. Wash the plate 5 times
9. Dispense 100 µl of substrate to each well
10. Incubate the wells for 15 minutes at room temperature (18~25℃)
11. Dispense 100 µl of stopping solution
12. Measure the optical density (OD) at 450nm with reference wavelength at 620nm
13. Cut off value = [0.35+ mean OD $_{NC}$]



Ordering Information

Cat. No.	Description	Type	Packing size
EB4410PO	PED IgA Ab ELISA	Microplate	480 Wells/Kit