Porcine Epidemic Diarrhea virus antigen

Porcine epidemic diarrhea virus (PEDV) is a member of the coronavirus group which causes watery diarrhea, dehydration and high mortality in suckling pigs. Porcine Transmissible Gastroenteritis Virus (TGEV) is serologically unrelated with PEDV, but clinically these two virus infections are difficult to differentiate. The PEDV is transmitted by feces from infected pigs after oral ingestion. Current available laboratory diagnosis for PED is a cryostat section - direct immunofluorescence assay of the small intestine or colon. ELISA and RT-PCR assays to detect viral antigens in feces or intestinal contents are useful, but require specialized instruments and laboratory personnel. The Anigen Rapid PED Ag test kit has been developed to provide fast and reliable test results of PED antigen in field conditions.

## Indications

- Differential diagnosis of swine diarrheal disease
- PEDV field monitoring
- Tentative diagnosis for swift control in outbreak suspected situation

## Specifications

- No cross reaction with other etiologic agents
- World’s first & sole PED virus antigen rapid test kit
- Specimen : Diarrheal feces
- Sensitivity: 92% vs. RT-PCR
- Specificity: 98% vs. RT-PCR

## Test Procedures

1. Collect sample from diarrheal feces using the swab.
2. Insert the swab into the sample tube containing assay diluent, and mix the swab until the sample has been dissolved into the assay diluent. Squeeze the swab against the well of tube and then discard it.
3. Wait 30 seconds for sedimentation and take the supernatant with disposable dropper provided.
4. Add 4 drops into the sample hole with disposable dropper.

## Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Type</th>
<th>Packing size</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG14-01DD</td>
<td>Rapid PED Ag</td>
<td>Device</td>
<td>1 Test x 10/Kit</td>
</tr>
<tr>
<td>RG14-05DD</td>
<td>Rapid PED/Rota Ag</td>
<td>Dual Device</td>
<td>1 Test x 10/Kit</td>
</tr>
</tbody>
</table>