

**PORCINE EPIDEMIC DIARRHEA (PED)  
VIRUS ANTIGEN  
RAPID TEST CARD  
MANUAL**

## Porcine Epidemic Diarrhea (PED) Virus Antigen Rapid Test Card

**Catalogue Number. IP100135**

### **Technical Specifications**

Specifications: 40 tests/kit

### **Principle**

This test card is based on fast immuno-chromatography technique to detect Porcine Epidemic Diarrhea (PED) virus antigen qualitatively. When testing, PED antigen in sample combine with antibody coated by colloid gold forming complexes, moving forward to the other head. When reaching the T-line, the specific antibody on the membrane capture the complexes and appear a T line. C line is Control line, C line appears, means the test is valid.

### **Components**

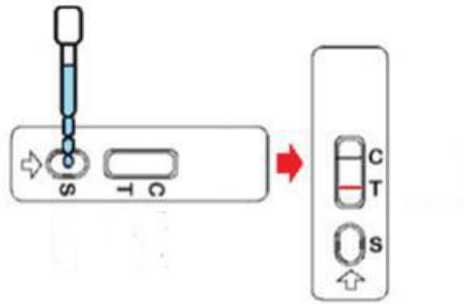
|   |                           |            |
|---|---------------------------|------------|
| 1 | PED antigen test cassette | 40 pieces  |
| 2 | Swab                      | 40 pieces  |
| 3 | Dropper                   | 40 pieces  |
| 4 | Sample buffer             | 40 bottles |
| 6 | Manual                    | 1 piece    |

### **Sample Preparation**

1. Use a cotton swab to collect freshly excreted stool samples or sample directly from the rectum. If screening for pigs without diarrhea, use rectal sampling.
2. Immediately insert the cotton swab into the tube containing the sample buffer, rotate the cotton swab repeatedly on the tube wall at least 10 times, and dissolve the sample as much as possible in the sample buffer. Squeeze the cotton swab on the tube wall to allow the liquid to be squeezed out as much as possible and discard the cotton swab.
3. If the stool particles are large, it can be allowed to stand for 1-2 minutes to precipitate large particles.

### **Operations Procedures**

1. Read the manual carefully and return the test card and sample to room temperature before use.
2. Take out test card, use dropper to absorb the sample, drop 2-3 drops into well mark "S"; or use Micropipette to transfer 100ul sample into well mark "S" .
3. Read the results in 15min at room temperature.



### ***Test Result Interpretation***

1. **Negative (-)** : no color reaction on Test Line (T Line), only on Control Line (C Line) being seen red color reaction. It means there is no PED antigen in sample or the levels are lower than the detection threshold;
2. **Positive (+)** : Both on T Line and C line being seen red color reaction. It means there is PED antigen in sample;
3. **Invalid:** No color reaction on C Line. It means the operation is wrong or the test card is invalid.

### ***Notice***

1. The test card can be used only once at room temperature, do not reuse or use test card out of expiry date.
2. Return all reagents and sample into room temperature before use.
3. Be careful when prepare sample, wear glove and mask.
4. The whole blood need add anticoagulants, not frozen; serum sample can store in frozen, avoid repeated freezing and thawing.
5. This product is only for in vitro rapid diagnostic veterinary use, can not be quantified, do only qualitative testing.
6. The product test results for reference only, for confirmation, please refer to the relevant national standard methods.

**Storage:** Store at 4-30 °C in dark, sealed, dry place, no frozen.

**Expiry date:** 12 months; date of production is on box.