

**ROTAVIRUS ANTIGEN RAPID TEST KIT**  
**MANUAL**

## Rotavirus Antigen Rapid Test Kit

Catalogue Number. IP100156

### **Introduction**

The Rotavirus antigen rapid test kit is based on colloidal gold immuno-chromatography technique to detect type A Rotavirus antigen in feces of cattle, pig and dog. After adding sample, the sample move along with the colloidal gold labeling Rotavirus antibody, if there is Rotavirus antigen in the sample, it combines with antibody on T line and show wine-red color; if there is no Rotavirus antigen, then no color reaction.

### **Technical specifications**

40 tests/kit

### **Components**

1	RV Ag test card	40 pieces
2	Swab	40 pieces
3	Sample buffer	40 pieces
4	Dropper	40 pieces
5	Manual	1 piece

### **Operation procedures**

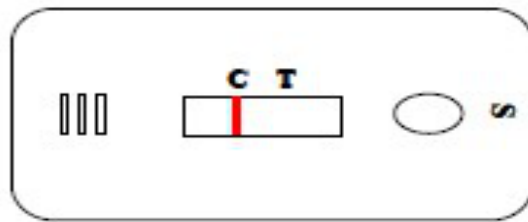
1. Use swab to collect fresh feces or take sample from Rectum directly. If it is for Rotavirus screening for animals without diarrhea, please take sample from Rectum. We suggest that do not take dry feces sample, because collecting dry feces sample will lead to collecting too much sample and appear false positive.
2. Insert the swab into the tube with sample buffer immediately, rotate the swab strongly on tube well for at least 10 times and mix the solution evenly, making the sample been dissolved in sample buffer fully. Press the swab on tube well above the liquid level, making the liquid been pressed out fully, discard swab.
3. If the feces particles is big, be static for 1-2min, make big particles precipitate.
4. Take out test card from sealed bag. Put it on flat surface, use dropper to draw upper-layer bright liquid, drop 5 drops slowly, one by one, to the sample hole with "S" mark.
5. Put the test card at room temperature for 10-15min, read the result, the result is invalid after 15 min.

### **Result Interpretation**

Negative: only control line is seen wine red;

Positive: control line and test line are both seen wine red;

Invalidation: control line isn't seen wine red.

**Notice**

1. Do not use product with broken Aluminum foil bag package. Use test card in 1 hour after taking out.
2. Use sample buffer inside the package, do not mix use sample buffer from different product.
3. The collected sample should be tested immediately, avoid long time storage.
4. The sample collection directly affect the accuracy of testing, so ensure collect sample correctly and fully.
5. Collect feces sample too much will affect the normal surge of liquid, and lead to wrong result (black area appear), and too little sample may lead to false negative result, so collect sample as following picture.
6. Avoid bubble when adding sample to test card.
7. Do not use test card out of expiry date.
8. Deal with the used test card and sample as waste according to local regulation strictly.

**Limitation of the product**

This kit is a qualitative screening reagent, can detect RV antigen accurately, but if sample is not enough or concentration of antigen is lower than sensitivity, it may appear negative result. A clear clinical diagnosis should be made after taking into account all clinical and laboratory phenomenon.

**The sensitivity and specificity of the product.**

Compare with PCR, the sensitivity > 99%, it has no cross-reaction with similar symptoms to those of Coronavirus, Adenovirus, Canine parvovirus, Escherichia coli, Infection Gastroenteritis, epidemic 3) Whether there will be Positive reaction after vaccination.

**Storage:** store at 2-30°C, dark, sealed, dry place, no frozen.

**Expiry date:** 24 months; date of production is on box.