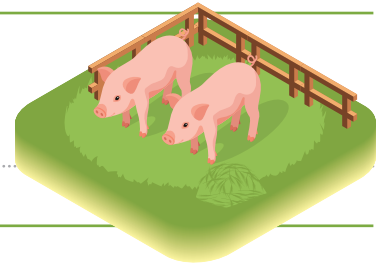# VDRG® TGEV Ag Rapid Kit

Transmissible GastroEnteritis Virus

Transmissible gastroenteritis (TGE) is a highly contagious infection of swine caused by TGE Coronavirus (TGEV). TGEV infection is followed by a very high mortality rate (up to 100%) in piglets less than two weeks old.
This test kit, the diagnostic reagent can detect TGEV antigens quickly and simply within 10 minutes after dropping the samples.

Introduction

+ **Intended use** : Detection of Porcine Transmissible Gastroenteritis Virus antigen
+ **Principle** : Immunochromatographic assay
+ **Specimen** : Porcine diarrhea feces
+ **Component**
  - TGEV Ag Rapid device
  - Sample dilution buffer
  - Swabs
  - Dropper
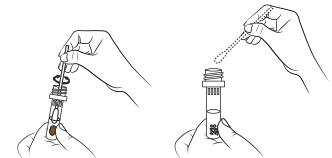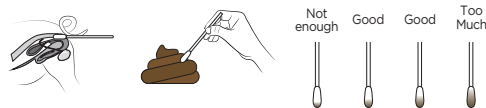
Features

+ Easy test, Ready-to-use reagent
+ High correlation with RT-PCR, High reproducibility
+ Clinical sensitivity : 100% (400/400) vs RT-PCR
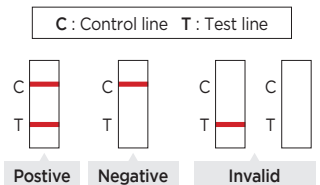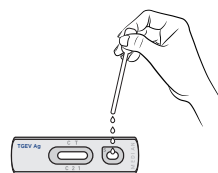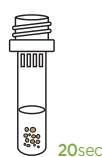+ LoD(Limit of Detection) comparison data between competitor's kit and VDRG® TGEV Rapid Kit

Specimens	TCID$_{50}$/mL	Competitor's TGEV Ag Rapid Kit	VDRG® TGEV Ag Rapid Kit
Standard sample 1	10^4	**Positive**	**Positive**
Standard sample 2	10^3	Negative	**Positive**
Standard sample 3	10^2	Negative	**Positive**

Test procedure

1 Collect a diarrhea specimen from diarrhea feces or those in the anus using swabs for fecal specimen collection.

Not enough   Good   Good   Too Much

2 Put the specimen into the container that contains sample dilution buffer and stir well the solution with a swab in order to extract the virus from the fecal specimen thoroughly.

3 Place the tube upright until the large particles go down.(20sec.)

20sec

4 Take the supernatant of specimen solution using dropper, and then instill 4 drops into the test device.

5 Read test results after **10 minutes.**

C : Control line   T : Test line

| Postive | Negative | Invalid |

Order Information

Cat No.	Product Name	Quantity
PS-TGE-11	VDRG® TGEV Ag Rapid Kit	10 Tests/Box