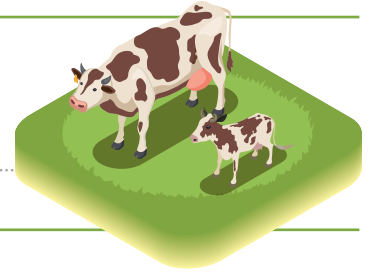


# VDRG® BoviDia-5 Ag Rapid Kit



## Bovine Diarrhea

Bovine Diarrhea is a disease of cattle caused by the Bovine Viral Diarrhea Virus and Escherichia coli. The virus is widespread and most herds are at risk for infection. In the susceptible herd, Bovine Diarrhea can be a serious, costly disease.

This is a diagnostic kit to detect viral (*Coronavirus, Rotavirus*), protozoal (*Cryptosporidium parvum, Giardia lamblia*), and enteropathogenic *Escherichia coli* (*E. coli* K99) antigen. This test kit, the diagnostic reagent can differential detect each antigens quickly and simply within 10 minutes after dropping the samples.

## Introduction

- + **Intended use** : Detection of Cryptosporidium, Giardia, Rotavirus, Corona virus and *Escherichia coli* k99 antigen
- + **Principle** : Immunochromatographic assay
- + **Specimen** : Bovine fecal sample, infected intestine, and cultivated bacteria or viruses etc
- + **Component**
  - BoviDia 5 Ag Rapid device
  - Sample dilution buffer
  - Swabs            - Dropper cap



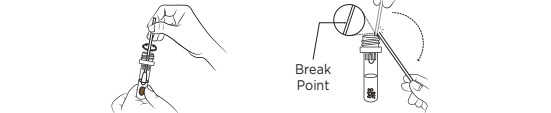
## Features

- + Differential diagnosis for 5 different bovine enteric pathogens including coronavirus, rotavirus, cryptosporidium, giardia, and pathogenic *E.coli*
- + Available rapid kit at field farm condition
- + The highest sensitivity and detection limits
- + Applicable to various suspect specimens (ex, fecal sample, infected intestine, and cultivated bacteria or viruses etc)
- + No cross Reactivity with heterogenous pathogens
- + Clinical performance vs real time RT-PCR

Bovi Dia-5	Number of samples (Positive/Negative)	Sensitivity	Specificity
Coronavirus	606 (63/543)	92.1%	97.8%
Rotavirus	706 (286/420)	90.6%	96.2%
Cryptosporidium	606 (45/561)	95.6%	99.6%
Giardia	606 (43/563)	93%	98.9%
<i>E.coli</i> K99	606 (36/570)	91.7%	100%

## Test procedure

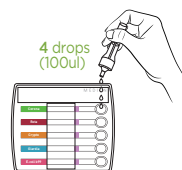
- 1 Swab the feces from the stool or rectums using the sample collection swab.
- 2 Put the sample swab in a tube containing the sample diluent ,mix it 10 times, then cut the groove into the swab and cut off the rod, and let the head of the swab fall into the tube.



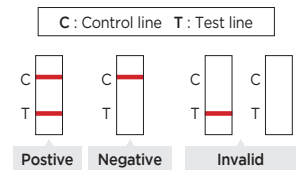
- 3 Attach the dropper cap to the tube containing the sample dilution solution and the cut swab to close it.



- 4 Add 4 drops of specimen to the each five sample hole of BoviDia 5 Ag Rapid device.



- 5 Read test results after 10 minutes.



## Order Information

Cat No.	Product Name	Quantity
PB-BD5-11	VDRG® BoviDia 5 Ag Rapid Kit	10 Tests/Box