

**RIDX®**

# BVDV Ag FE Test Kit

**Bovine viral diarrhea virus (BVDV)** is a single-stranded RNA virus that causes significant economic losses around the world due to its impact on reproduction, respiratory health, and immunosuppression in cattle and other ruminants.

The RIDX® BVDV Ag FE Test Kit is a lateral flow chromatographic immunoassay for the detection of BVDV in bovine feces or ear notches within 20 minutes after dropping the processed sample.

Principal: Chromatographic immunoassay for the qualitative test

Specimen: Bovine feces or ear notch

## Components

BVDV Ag test device (10 tests)

Sample dilution buffer (10 tubes)

Disposable swab (10 ea)

Dropper cap with filter (10 ea)

Paper rack for standing buffer tubes (1 ea)

Instructions for use (1 sheet)



## Features

Sensitivity Feces: 90% (36/40) vs. RT-PCR, Ear notches: 100% (14/14) vs. RT-PCR

Specificity Feces: 100% (80/80) vs. RT-PCR, Ear notches: 100% (71/71) vs. RT-PCR

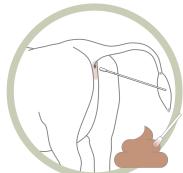
Limit of Detection  $1 \times 10^4$  TCID<sub>50</sub>/ml

No cross-reactivity with other bovine pathogens (Aino virus, Akabane virus, BCV, Rotavirus, CHUV and IBAV)

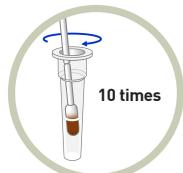
## Test Procedure

### Fecal Specimen

1 Collect the fecal specimen using a swab.



2 Put the swab into the buffer tube and stir the solution 10 times.



3 Break the head of the cotton swab and discard the rod.



4 Attach a dropper cap to the top of the buffer tube.

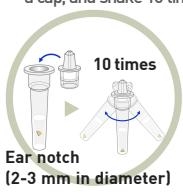


5 Apply 4 drops of the solution into the sample hole on the device.



### Ear Notch Specimen

1 Put an ear notch into the buffer tube, attach a cap, and shake 10 times.



2 Incubate the ear notch in the buffer for 30 min at room temperature.



3 Apply 4 drops of the solution into the sample hole on the device.



R Read the result at 20 minutes.

Positive	Negative
C 2 1	C 2 1
Invalid	
C 2 1	C 2 1

CAT No.

Description

LIC No.

Type

Package size

LGM-BVG-11

RIDX BVDV Ag FE Test Kit

300-036

LFA\*

10 Tests/Kit

\* LFA: Lateral flow assay