

RIDX<sup>®</sup>

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<sup>®</sup> 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 x 10<sup>4</sup> 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.

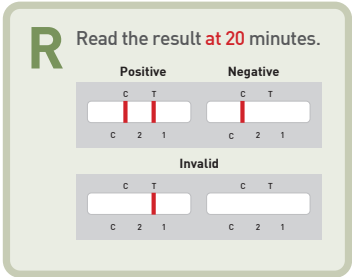
Ear Notch Specimen

- 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.



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