

Adia^X - BVDV Triplex Lyo

New PCR Methods validated for BVD virus detection



CONTEXT OF BOVINE VIRUS DIARRHEA DIAGNOSTIC

ADIALYO™ BVDV Triplex enables Bovine Viral Diarrhea Virus (BVDV) and Border Disease Virus (BDV) detection on whole blood, serum, tissue and milk samples from cattle, sheep, goats, and wild deer using real-time enzymatic amplification.

Screening for IPI (Immunotolerant Permanently Infected) calves from ear notch samples is also now a well established procedure in RT-PCR.

The new Animal Health Law (AHL) UE 2016/429

Commission Delegated Regulation (EU) 2020/689 of 17 December 2019 establishes minimum preventive measures for the control and early detection diseases, Bovine Viral Diarrhea is classified as a **category C** disease for cattle (diseases to be detected in order to avoid spreading);(RE 2020/2002 annexe III, section 6 for BVD diagnostic); (the FLI registration covers only cattle and not small ruminants).



Triplex PCR for improved interpretation, even on samples at the limits of acceptance (storage, delay, etc.)

ADIALYO™ BVDV TRIPLEX CHARACTERISTICS

Ready to use kit

- BVDV / BDV (FAM)
- Endogenous internal control for extraction and amplification (Hex)
- Exogenous internal control for extraction and amplification (Cy5)
- Common 1h DNA/RNA PCR program to Adialyo™ range
- Specific and sensitive PCR

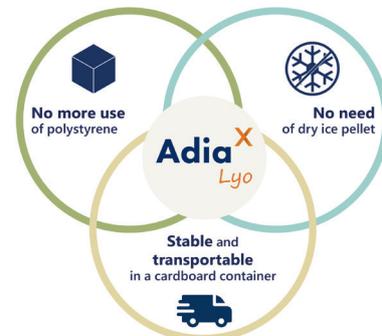
Validated methods:

- **ADIAMAG™ (magnetic beads)**
 - Individual ear notches & pool of 25
 - Individual serum & pool of 20
 - Blood / Milk / Tissue
- **ADIAPURE™ TLB (Lyse directe) Protocole Classic et FAST Lysis**
 - Individual ear notches & pool of 25

PERFORMANCE



A SIMPLE GESTURE FOR THE PLANET



The new Bio-X Diagnostics protocols deliver quick and reliable BVDV PCR results in compliance with AHL and the new standard of calves' ear notches matrix.

VALIDATION WITH ADIAPURE™ TLB (direct lysis) AND ADIAMAG™ (magnetic beads) ON EAR NOTCHES:

	CLASSIC LYSIS protocol	FAST LYSIS protocol	ADIAMAG™
Preparation	1 ear notch+ 280 µl buffer L1 + 20 µl buffer L2		1 ear notch + 350 µl LB3
Incubation (Extraction)	1 st : 20 min. +65°C then 2 nd : 15 min. +95°C	 same incubation time 1 st : 8 min. +65°C en 2 nd : 8 min. +95°C	15 min incubation at 21±3°C then 21 min automat included
Amplification	5 µl RNA extract and 1 hour only with ADIALYO™ BVDV Triplex		

BVDV HEATLYSE SYSTEM FOR A DIRECT LYSIS PROTOCOL ON EAR NOTCHES:

- Integrated unit for BVDV direct lysis protocol.
- Compatible with AllFlex BVD ear notches.
- Compatible with new genomic ear notches (TST and TST-L).



BVD virus fast detection on calves' ear notches with the HeatLyse system

Fast detection of the BVD virus with ADIAPURE™ TLB from ear notches of IPI calves:

- Flash Lysis: RNA extraction in 16 minutes
- Easy tubes transfer from 65°C to 95°C
- Easy storage of 4 sets of 96 tubes
- Insulated handle and reusable Material

Easy to use for analysis flows in a context of unknown prevalence

TO PLACE AN ORDER:

Code	Description	Nb. of reactions
ADL10Y1-100	ADIALYO™ BVDV Triplex NEW	100 R
ADL10Y1-500	ADIALYO™ BVDV Triplex NEW	500 R
ADIADP10E1-100 & -400	ADIAPURE™ TLB	100 R & 400 R
NADI003	ADIAMAG™ (magnetic beads extraction kit)	200 R
NIDC22PL-20	Easy Prep BVD NEW	20
NQBD2-EU	GRANT dry heating unit	/
N96Bloc05ML	Removable AllFlex BVD heat block	/
N96TPACK	AllFlex BVD 4x96 grippable sockets	/



Smart solutions for sharp decisions

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