

Adia^X IBV Lyo

ADL65Y1_IBV_PP01_(EN)_V01
22/02/2023

The new reference for Avian Coronavirus PCR Screening

i CONTEXT OF AVIAN INFECTIOUS BRONCHITIS

Infectious bronchitis is a highly contagious viral disease causing respiratory and reproductive problems in poultry. It is mainly characterized by respiratory signs in growing chickens. In hens, a decrease in egg production and quality can be observed. Several strains of the virus are nephropathogenic and can cause interstitial nephritis and death. The disease is transmitted by air, by direct contact between chickens or indirectly by mechanical spread. Infectious bronchitis virus (IBV) is a coronavirus belonging to the genus gammacoronavirus and species Avian coronavirus. The IBV genome consists of a positive single-stranded RNA of approximately 27.5 kb.

Both vaccine and field strains of IBV can persist in the cecal tonsils of the intestinal tract and be excreted in the faeces for weeks or longer in clinically normal chickens.

Reference kit for screening all IBV with high sensitivity and specificity. (Field strains or broad spectrum of attenuated live vaccines)

Sample
Swab* (Cloacal, tracheal, oropharyngeal)
Environmental sample (Drag swab)

*pool up to 6

ADIALYO™ IBV

First IBV Lyophilized PCR test



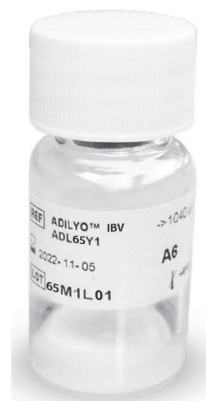
Constraint-free shipping



Environment-friendly products



Stable at +4°C



Fast & powerful !

- Safe and easy for handling and shipment at room temperature
- No more dry ice or polystyrene
- Less energetic cost for shipment or storage

Vaccine Strains
Cevac I-Bird
Cevac Mass-L
Poulvac IB QX
Poulvac H120
Gallivac IB88
Nobilis IB 4-91
Nobilis IB Primo QX
Nobilis IB Ma5
Strain D274
Strain LX4 Chine
Strain Mass/793
Strain QX

ADIALYO™ IBV set the new reference for a worldwide fast and efficient first Lyo PCR detection for coronavirus screening with environmental concern.

SPECIFICATIONS FOR ADIALYO™ IBV

Duplex Kit ready to use :



- Infectious Bronchitis Virus (IBV) (FAM)
- Exogenous internal control (EPC-Ext) (HEX):
 - Extraction and amplification control if the EPC-Ext is added to the sample during nucleic acid extraction.
 - Amplification control if the EPC-Ext is added to the amplification solution.
- Storage 18 months +2/8°C

Easy to use



- Easy preparation : rehydration of mastermix with the buffer included in the kit
- Ready to use after rehydration
- Storage <-15°C after reconstitution
- Stable up to 3 freeze-thaw cycles

Quick and reliable method:



- Validated also with the fast and easy ADIAPURE Lysis Flex swab Protocol (only 20 min)
- Quick run time for amplification (60 min)
- High specificity and sensitivity
- Low PCR Detection Limit ($LOD_{PCR} = 157$ copies/PCR
 $LOD_{METHOD} 5,8 \times 10^5$ copies/mL using ADIAMAG™)



A SIMPLE GESTURE FOR THE PLANET

1. Open carefully the **mix** vial
2. Rehydrate the pellet with the provided solution
3. Homogenize and your mix is **Ready to Use**

RNA/DNA Program	
10 min. 45°C	
2 min. 95°C	
5 sec. 95°C	40 cycles
30 sec. 60°C	



Quick program in 1 hour

ADDITIONAL KIT FOR METHOD ADOPTION AND PCR

- LD PCR Positive Control IBV (Ref.: ADC65YLD)

Confirmation of performances - LOD_{PCR} of kit.



Can be amplified in the same PCR run after a unique extraction from a swab:

- ADIALYO™ AIV H9
- ADIALYO™ FLU A
- ADIALYO™ MS/MG
- ADIALYO™ MM/MI

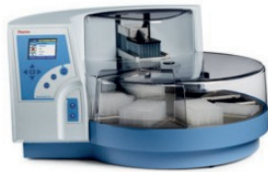
Sample preparation and procedure to diagnose IBV:

sample



common DNA/RNA extraction

20 min

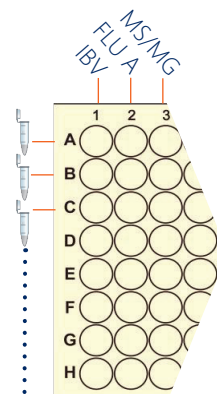


common PCR run time

60 min



Sample 1
Sample 2
Sample 3



TO PLACE AN ORDER :

Pathogen/Target	Species	Cat. Nb.	Product name	Number of reactions
Coronavirus (Avian Infectious Bronchitis)	A	ADL65Y1-100	ADIALYO™ IBV	100 R
-	-	ADPLF1-500	ADIAPURE™ Lysis Flex	500 mL
-	-	NADI003	ADIAMAG™ - RNA/DNA Extraction with magnetic beads	200 R
-	-	NADI003-XL	ADIAMAG™ XL	800 R



Smart solutions for sharp decisions

Contact us

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