

Adia^X AIV H9 Lyo

ADL69Y1_AIV9_PP01_(EN)_V01
15/03/2023

The new reference for Avian Influenza H9 typing

i A BRIEF OUTLOOK ON THE DISEASE

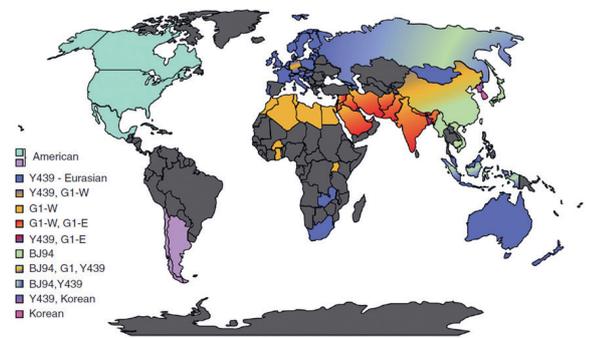
Influenza viruses belong to the genus Influenza A virus of the family Orthomyxoviridae.

Influenza A viruses of subtype H9, in particular H9N2, are widespread in the wildbird species worldwide, causing significant economic losses.

There are numerous H9N2 lineages depending on geographic location (Carnaccini and Perez, 2020 cf. Map above).

The ADIALYO™ AIV H9 test amplifies a sequence of the HA gene specific to H9 subtype Influenza viruses. The kit detects G1-like and Y439 lineages found in the Middle East and Europe.

S. Carnaccini and D.R. Perez



Samples
Swab* (Cloacal, tracheal, oropharyngeal)
Tissue*
Feather
Faeces
Environmental sample
FTA card
Culture/allantoic liquid

*Swab, tissues (pool up to 10)

ADIALYO™ AIV H9
First H9 Lyophilized PCR test



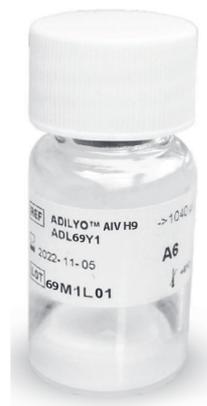
Constraint-free shipping



Environment-friendly products



Stable at +4°C



Fast & focus !

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

ADIALYO™ AIV H9 sets the new reference for a worldwide fast and focus RT PCR for H9 typing with environmental concern.

SPECIFICATIONS FOR ADIALYO™ AIV H9



A SIMPLE GESTURE FOR THE PLANET

Duplex Kit ready to use :



- Avian Influenza virus H9 (FAM).
- Exogenous external control (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 < -15°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 with reference extraction methods including **ADIAMAG™**.
- 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 ($LOD_{PCR} = 2.5$ copies/PCR)

LOD_{METHOD} 10^2 genome copies/mL using ADIAMAG™
 LOD_{METHOD} 10^3 genome copies/mL using ADIAPURE™ Lysis Flex).

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

- **Extraction Positive Control AIV H9 (Ref.: ADC69EPC)**
Supplier reference material for method adoption that can also be used as a sentinel (Calibrated between 1 and $100 \times LOD_{Method}$)
- **LD_{PCR} Positive Control AIV H9 (Ref.: ADC69YLD)**
Confirmation of performances - LOD_{PCR}

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

- ADIALYO™ IBV
- ADIALYO™ FLU A
- ADIALYO™ MS/MG
- ADIALYO™ MM/MI



Sample preparation and procedure to diagnose AIV H9:

sample



common DNA/RNA extraction

20 min

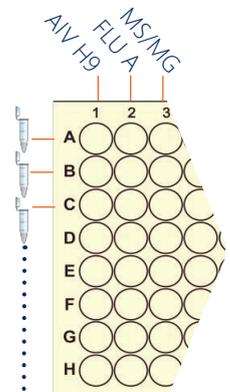


common PCR run time

60 min



Sample 1
Sample 2
Sample 3



TO PLACE AN ORDER :

Pathogen/Target	Species	Cat. Nb.	Product name	Number of reactions
Avian Influenza Virus (AIV) sub-types H9	A	ADL69Y1-100	ADIALYO™ AIV H9	100 R
DNA extraction - Direct Lysis	-	ADPLF1-500	ADIAPURE™ Lysis Flex	500 mL
Magnetic bead nucleic acid extraction	-	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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