

Adia^X Lyo FLU A

ADL28Y1-FLUA-PP01-(EN)-V04
29/01/2024

Freeze-dried real time PCR assays

i CONTEXT OF ANIMAL INFLUENZA DIAGNOSIS

Influenza viruses belong to the genus Influenza virus of the family Orthomyxoviridae. Influenza viruses occur in animals, including poultry, pigs and horses. It can affect other animal species, including mammals, but is usually asymptomatic.

Avian influenza is caused by influenza A viruses, including subtypes H5, H7 and H9. These strains are classified as either low pathogenic or highly pathogenic. All H5/H7 are notifiable to the OIE.

In pigs, three subtypes H1N1, H3N2 and H1N2 can be found. They are enzootic in Europe.

In horses, the subtypes H3N8 and H7N7 are found.

The ADIALYO™ FLU A test amplifies a conserved sequence of the M gene specific to Influenzae Viruses. This test can therefore detect all subtypes found in animals.

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

The implementing regulation (EU) 2018/1882 implements the AHL for the classification of regulated diseases from April 21, 2021 and classifies Avian Influenza HP in **category A** (registration needed). The swine and horse Flu are not classified.

*Don't
compromise
between
performance
and simplicity*

REDUCING OUR ENVIRONMENTAL FOOTPRINT WITH THE ADIALYO™ RANGE

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



ADIALYO™ FLU A

First Multispecies Influenza freeze-dried PCR tests

 **Constraint-free** shipping

 **Environment- friendly** products

 **Stable** at + 4°C

1ST

« ADIALYO™ FLU A establishes the new benchmark for the RAPID and MULTISPECIES detection of influenza in PCR on a planetary scale »



CHARACTERISTICS FOR ADIALYO™ FLU A REAL TIME PCR

Duplex Kit ready to use :

- Influenza A virus (FAM)
- Internal control of extraction and/or amplification specific from an exogenous RNA (HEX labelled probe or its equivalent).
- Storage 18 months +2/8°C Freeze-dried

Easy to use

- Easy preparation : rehydration of mastermix with the buffer included in the kit
- Ready to use after rehydration
- Storage 18 months <-15°C after use
- Stable up to 3 freeze-thaw cycles

Quick and reliable method:

- Validated with reference extraction methods including ADIAMAG™ and ADIAPURE™ Lysis Flex
- Quick and unique run time for amplification 
- High specificity and sensitivity
- Low PCR Detection Limit
- Controls to verify the reliability of the results

Samples:

- Pool of samples possible: 3 to 5 for pigs and up to 10 for poultry

Species	Sample
	Swab (cloacal, tracheal, oropharyngeal)
	Tissue
	Feather
	Faeces
	Environmental sample
	Nasal swab
	Tissue
	Bronchoalveolar lavage fluid
	Oral fluid
	Environmental sample
	Nasal swab
	FTA card
  	Culture/allantoic liquid



A SIMPLE GESTURE FOR THE PLANET

1. Open carefully the **mix vial**
2. Rehydrate the lyo 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 KITS FOR METHOD ADOPTION AND PCR (U47-600)

- **Extraction Positive control AIV H5-H7 (Ref.: ADC28EPC)**
Supplier reference material for method adoption that can also be used as a sentinel (Calibrated between 1 and 100x LoD_{Method})
- **LD PCR Positive Control FLU A (Ref.: ADC28YLD)**
Confirmation of performances – LoD_{PCR}



Single PCR run for all ADIALYO RANGE (DNA/RNA virus)

For instance for pigs:
ASFV, CSFV, FLU, PCV2, PCV3, PRRSV

TO PLACE AN ORDER :

Code	Description	Number of reactions
ADL28Y1-100	ADIALYO™ FLU A	100 R
NADI003	ADIAMAG™	200 R
NADI003-XL	ADIAMAG™ XL	800 R
ADPFL1-500	ADIAPURE™ LYSIS FLEX	500ml



Smart solutions for sharp decisions

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