

Adia^X Lyo ASFV & CSFV

ADIALYO_SwineFever_PP01_(EN)_V03
08/10/2024

Freeze-dried real time PCR tests

i CONTEXT OF SWINE FEVER DIAGNOSIS

Classical Swine Fever virus (CSFV) is a positive sense single-stranded RNA belonging to the Pestivirus genus. CSFV is classified as an OIE Class A disease and presents a risk for the environment since it causes heavy epizootics for pigs. Although CSFV has almost been eradicated in many countries, it still represents a high risk of reintroduction for the pig industry.

African Swine Fever Virus (ASFV) is a highly contagious DNA virus also causing high mortality in domestic pigs. ASFV is usually asymptomatic in its natural wild suids and arthropod vectors hosts. The infection of ASFV in its reservoir hosts is usually asymptomatic. In contrast, infection of domestic pigs leads to a lethal hemorrhagic fever for which no effective vaccine exists. Since its reintroduction from Ukraine and Poland, new outbreaks have been notified in Europe (Poland, Belgium, Germany) and in other area like China and Latin America. As they can present similar symptoms, a rapid identification of any Swine Fever is of great importance to the pig industry.

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

The implementing regulation (EU) 2018/1882 implements the LSA for the classification of regulated diseases from April 21, 2021 and classifies swine fever in **category A**. These swine fevers are thus listed among the 19 diseases in this category which are considered to present a considerable risk in Europe and for which diagnostic and eradication measures should be put in place as soon as they appear.

PCR is the most sensitive and rapid reference method for the detection of swine fever and is now available in freeze-dried form with the new ADIALYO™ range.

REDUCING OUR ENVIRONMENTAL FOOTPRINT WITH THE ADIALYO™ RANGE

- Safe and easy handling and shipment at room temperature
- No more dry ice or polystyrene
- Less energetic cost for shipment or storage
- Large presentations for large scale PCR testing worldwide

1ST ADIALYO™ ASFV & ADIALYO™ CSFV First Swine Fever Freeze-dried PCR tests

 **Constraint-free** shipping

 **Environment- friendly** products

 **Stable** at +4°C

*Don't choose
between
performance
and simplicity*



« ADIALYO™ ASFV & ADIALYO™ CSFV establish the new benchmark for **RAPID** and **SIMULTANEOUS** detection of swine fever in PCR on a planetary scale. »



CHARACTERISTICS FOR ADIALYO™ ASFV & ADIALYO™ CSFV

Duplex kit ready for use :

- ASFV or CSFV (FAM)
- Endogenous internal control (HEX)
- Storage 24 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 24 months <-15°C after use
- Stable up to 3 freeze-thaw cycles
- Large presentation (200 reactions)

Quick and reliable method:

- Validated with reference extraction methods including ADIAMAG™
- Quick run time (60 min) for amplification of both DNA and RNA virus
- High specificity and sensitivity
- Low PCR Detection Limit
- Internal control included

Samples:

- Whole Blood
- Spleen/Tonsils
- Pool of samples up to 10 or 20



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**



Possible differential diagnostic between African Swine Fever and Classic Swine Fever from the same sample :

sample



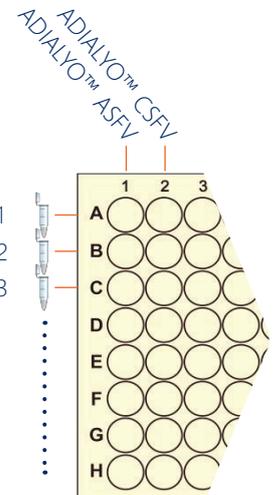
common DNA/RNA extraction



common PCR run time



Sample n°1
Sample n°2
Sample n°3



To place an order

Pathogen/Target	Species	Cat. Nb.	Product Name	Reactions
African Swine Fever Virus (ASFV)	P & P'	ADL55Y1-100	ADIALYO™ ASFV	100 R
		ADL55Y1-1000		1000 R
African Swine Fever Virus (ASFV)	P & P'	ADL55Y1-100	ADIALYO™ ASFV Triplex	100 R
		ADL55Y2-1000		1000 R
Classical Swine Fever Virus (CSFV)	P & P'	ADL22Y1-100	ADIALYO™ CSFV	100 R
-	-	NADI003	ADIAMAG – RNA/DNA Extraction with magnetic beads	200 R

A : Avian, B : Bovine, E : Equine, G : Goat, P : Porcine, P' : Boar, S : Sheep



Smart solutions for sharp decisions

Contact

✉ f.bernard@biox.com

☎ +32 (0) 84 32 23 77

🌐 www.biox.com