

PCR

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# BIO-T KIT® ASFV UNIVERSAL

RAPID - RELIABLE - EFFECTIVE

NEW VERSION  
with  
2 IPCs



DISCOVER OUR SOLUTION FOR THE DETECTION OF  
AFRICAN SWINE FEVER BY REAL-TIME PCR



PIG



# 1/ Presentation of Bio-T kit® ASFV Universal

The Bio-T kit® ASFV Universal contains a **ready to use** Master Mix allowing the detection, in the same reaction well, of:

- **AFRICAN SWINE FEVER VIRUS (ASFV)** **6-FAM**
- An **ENDOGENOUS INTERNAL POSITIVE CONTROL IPC** (GAPDH) to assess the presence of sufficient amount of host cells, sample integrity, nucleic acids extraction quality and absence of RT-PCR inhibitors **CY5**
- An **EXOGENOUS INTERNAL POSITIVE CONTROL IC** (synthetic DNA) to ensure the quality of the extraction **VIC**



## REFERENCES

- **BIOTK131**  
(100 tests)
- **BIOTK132**  
(400 tests)

## THE + OF THE KIT

- A **ready-to-use** Master Mix
- PCR run time: about **1h**
- **2 IPCs** ensuring the high quality results on all types of matrices samples
- The kit was developed according to the **French regulatory standard NF U47-600-2** edited by AFNOR, and validated by **INIA laboratory**

# 2/ Extraction & PCR

## SAMPLE TYPES

- **Whole blood** (on EDTA), **serum**, **cell culture supernatant**
- **Organs** (spleens, tonsils, lymph nodes)
- **Swabs** (blood or exudates)

**Individual analysis** or by **pool up to 10 or 20** according to the matrix & the extraction method:

SAMPLE TYPE	LOD METHOD	POOL
Whole blood	2.5x10 <sup>2.8</sup> HAU/ml	Up to 20
Organs (spleen, tonsil)	1x10 <sup>2.8</sup> HAU/ml	Up to 10
Swabs (blood or exudates)	1x10 <sup>3.8</sup> HAU/ml	Individual

## RT-PCR DEVICES

This kit is compatible with ABI PRISM® 7500 Fast, QuantStudio5®, Aria Mx™, CFX96 and **all thermal cyclers with at least 6-FAM, VIC (HEX) and Cy5 channels.**



## EXTRACTION - METHOD VALIDATED ON:

- **Magnetic beads extraction** (e.g.: Biosellal - Bioextract® SuperBall® Cat. N° BES384) classical program 38 min and short program 19 min according to the matrix.
- **Spin column** (e.g.: Roche - High Pure PCR Template Preparation kit)

ANY QUESTION ?

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