



EFFECTIVE TOOLS FOR DETECTING **AFRICAN SWINE FEVER** IN SWINE AND WILD BOAR



Monitor disease spread:

ID Screen® African Swine Fever Competition ELISA

ID Screen® African Swine Fever Indirect ELISA

ID Screen® African Swine Fever Indirect ELISA - Oral fluids



Confirm clinical signs and detect viremic animals:

ID Gene™ African Swine Fever Duplex PCR

ID SCREEN® AFRICAN SWINE FEVER COMPETITION ELISA

HIGHEST SPECIFICITY AND SENSITIVITY ON SWINE

Efficient detection of antibodies to ASF requires a serological test that allows for early detection and high sensitivity, while maintaining optimal specificity.

The ID Screen® African Swine Fever Competition ELISA meets these criteria, by offering:

Advantages

- + Validated by the European Union Reference Laboratory
- + Early detection of seroconversion (between 8 to 14 dpi)
- + High specificity (99,4%) and sensitivity (95,8%)
- + Excellent agreement with the IPT reference test (k=0.95)
- + Rapid: results in only 90 minutes

Specifications

METHOD	Competitive ELISA	
SAMPLE TYPES	Serum and plasma	
SPECIES	Swine : domestic pigs, wild boars, warthogs	
PRODUCT CODE	ASFC-2P	ASFC-5P
FORMAT	2 strip plates, 192 tests	5 strip plates, 480 tests



ID SCREEN® AFRICAN SWINE FEVER INDIRECT ELISA

PROVEN SPECIFICITY ON WILD BOAR

Many ASF control programs include testing of wild boar to monitor disease spread. Blood samples from wild boar, however, are often of poor quality. The ID Screen® African Swine Fever Indirect ELISA shows optimized performance on wild boar samples, and offers protocols for a range of sample types including serum, plasma, meat juice and blood filter paper.

Advantages

- + Validated by the European Union Reference Laboratory
- + The preferred test for wild boar thanks to high specificity, even on haemolysed samples⁽¹⁾
- + Additional protocols for meat juice and blood filter paper samples

(1) Dixon L. et al ASFV Challenges for Diagnosis: preventing and controlling viral disease, Presentation given at the OIE-CIC Joint international meeting on ASF, Paris, 30 June–1 July 2014. Available online

Specifications



METHOD	Indirect ELISA	
SAMPLES TYPES	Serum, plasma, meat juice or blood filter paper samples	
SPECIES	Swine : domestic pigs, wild boars, warthogs	
PRODUCT CODE	ASFS-2P	ASFS-5P
FORMAT	2 strip plates, 192 tests	5 strip plates, 480 tests

ID SCREEN® ASF ORAL FLUIDS INDIRECT ELISA

THE ONLY ASF TEST FOR ORAL FLUIDS

Several reports⁽²⁾ have confirmed the presence of ASFV antibodies in swine oral fluid samples. This kit may be used for experimental infection studies and towards a possible oral fluid-based approach to ASF diagnosis and surveillance.

(2) Potential use of oral fluid samples for serological diagnosis of African swine fever

Lina Mur, Carmina Gallardo, Alejandro Soler, Jeffrey Zimmermann, Virginia Pelayo, Raquel Nieto, José Manuel Sánchez-Vizcaíno, Marisa Arias

Specifications



METHOD	Indirect ELISA
SAMPLE TYPES	Oral fluids
SPECIES	Swine: domestic pigs, wild boars, warthogs
PRODUCT CODE	ASFOFB-2P
FORMAT	2 strip plates, 96 tests

ID GENE™ AFRICAN SWINE FEVER DUPLEX PCR

THE MOST SENSITIVE qPCR FOR ASF

As part of control programs, a reliable and rapid PCR test is essential to identify both acutely and chronically infected animals.

The most sensitive qPCR on the market, the **ID Gene™ African Swine Fever Duplex PCR** allows for the qualitative detection of ASFV in individual samples or pools of up to 20.



Advantages

- ⊕ Validated by the EURL (CISA-INIA, Spain)
- ⊕ Extensively used in ASF control programs around the world
- ⊕ Pools of up to 20 samples, thanks to high kit sensitivity
- ⊕ Detects all ASF genotypes
- ⊕ Compatible with most extraction systems and all thermocyclers
- ⊕ Freeze-dried format available for ambient shipping and extended shelf-life



Rapid amplification
protocol



Positive controls to
validate the efficiency
of the extraction and
amplification steps



The same extraction and
amplification protocol
shared by all ID Gene™
qPCRs



Ready-to-use
reagents

Specifications



METHOD	qPCR - Duplex - Qualitative	
SAMPLE TYPES	Whole blood or tissue homogenates (individual samples or pools of 20)	
SPECIES	Swine : domestic pigs, wild boars, warthogs	
PRODUCT CODE	IDASF-50	IDASF-100
FORMAT	50 preps	100 preps
ASSOCIATED PRODUCT	ASF Positive Extraction Control (PEC-ASF) to validate the efficiency of the nucleic acid extraction and the qPCR amplification processes and to monitor variations in analytical sensitivity	