



Animal Health



# VetMAX African Swine Fever Virus Detection Kit 2.0

## Real-time PCR kit to support effective management of swine fever

The Applied Biosystems™ VetMAX™ African Swine Fever Virus Detection Kit 2.0 detects African swine fever virus (ASFV), which causes a highly contagious disease affecting domestic pork and wild boars.

### Benefits

- **Endogenous and exogenous controls**—control of sample quality and animal origin; can detect PCR (partial) inhibition
- **Thermal cycling in as little as 40 min**—can save time and increase efficiency in the lab
- **Detection of all ASFV genotypes**—can provide a broader scope of analysis for a more comprehensive understanding of the virus's presence and spread
- **Pooling of up to 20 samples**—gather more samples with less labor using oral fluids
- **Results in less than 3 hours**—enabling timely intervention and control measures



The VetMAX African Swine Fever Virus Detection Kit 2.0 is fit-for-purpose for the detection of the African swine fever virus in blood, serum, tissues, oral fluids, and meat juices of domestic and wild pigs (including wild boars).

Technology	Species	Samples	Test type
<b>Real-time PCR of DNA</b> • Single-well triplex assay • Endogenous and exogenous IPC controls	Domestic pig, wild boar	Blood, serum	Individual or pooled samples, up to 20
		Tissues, oral fluids, meat juices	Individual

### Diagnostic sensitivity and specificity

The VetMAX African Swine Fever Virus Detection Kit 2.0 has been evaluated on a set of samples previously determined to be positive or negative as defined by the World Organisation for Animal Health (WOAH).

		Status of sample	
		Positive	Negative
VetMAX African Swine Fever Virus Detection Kit 2.0 (fast mode)	Positive	259	0
	Negative	0	352
	Total	259	352

The VetMAX African Swine Fever Virus Detection Kit 2.0 with the MagMAX Core Nucleic Acid Purification Kit exhibited **100% diagnostic sensitivity and 100% diagnostic specificity**.

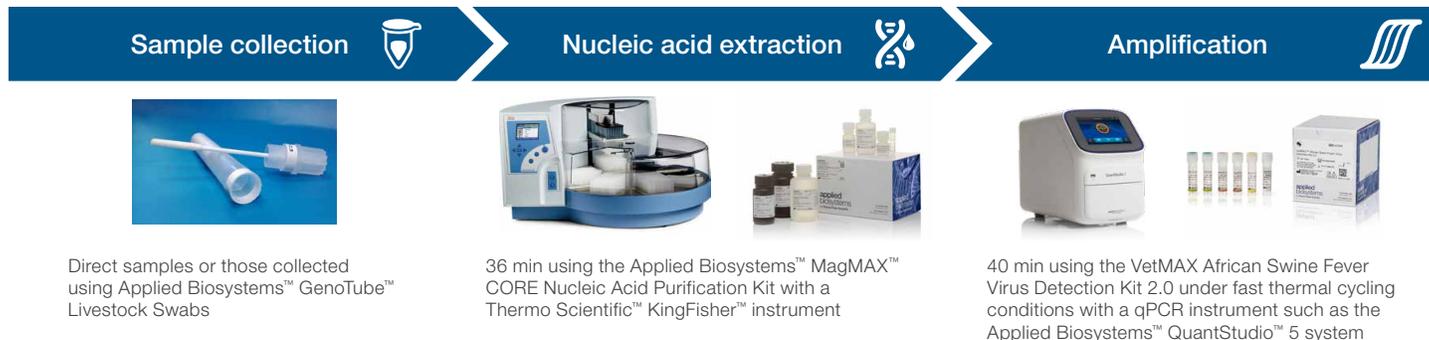
### Inclusivity and exclusivity

PCR inclusivity has been evaluated on a panel of reference samples from the Center for Animal Health Research (CISA-INIA) and the National Veterinary Research Institute (NVRI). PCR exclusivity has been evaluated on various viruses and bacteria.

	Sample	VetMAX African Swine Fever Virus Detection Kit 2.0
<b>Inclusivity</b>	53 samples: CISA-INIA and NVRI panels	Detected
<b>Exclusivity</b>	21 porcine strains plus 4 reference negative samples	Passed (no detection of tested strains)
	Viruses (PCV1, PCV2, PPV, influenza, PRRSV NA and PRRSV EU, porcine coronavirus, classical swine fever virus)	Not detected
<b>Exclusivity</b>	Bacteria ( <i>Mycoplasma hyopneumoniae</i> , <i>Mycoplasma hyosynoviae</i> , <i>Lawsonia</i> spp., <i>Brachyspira hyodysenteriae</i> , <i>Pasteurella multocida</i> toxin gene A (PMT), <i>Actinobacillus suis</i> , <i>Actinobacillus pleuropneumonia</i> , <i>Streptococcus suis</i> , <i>Mycoplasma hyorhinis</i> )	Not detected

The VetMAX African Swine Fever Virus Detection Kit 2.0 **correctly detected all ASFV strains from CISA-INIA and NVRI panels** and did not cross-react with other pathogens.

### Real-time PCR workflow from sampling to result



### Ordering information

Product	Quantity	Cat. No.
VetMAX African Swine Fever Virus Detection Kit 2.0	100 tests	A57008
<b>Sample collection and sample preparation</b>		
GenoTube Livestock Swab	1 tube	9062010
MagMAX CORE Nucleic Acid Purification Kit	500 tests	A32700
<b>Related products</b>		
PrioCHECK African Swine Fever Virus Ab Kit	1 ELISA kit with 5 plates	A56981

Learn more at [thermofisher.com/animalhealth](https://thermofisher.com/animalhealth)

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