



Swine respiratory disease

Fast, reliable, and high-quality diagnostic solutions for SIV, PRRSV, PCV2, and *M. hyo*

Swine respiratory diseases cause significant productivity losses in pig herds around the world. Multiple infectious agents such as viruses, bacteria, mycoplasmas, and parasites can act in concert to increase the severity and duration of swine respiratory diseases. Farmers, veterinarians, and diagnostic labs must work together to identify these agents early. Regularly submitting samples to a diagnostic laboratory helps monitor the well-being of the operation and the herd.

What are the benefits of our complete diagnostic solutions?

- Used at the right time in the progression of the disease, combining ELISA and real-time PCR provides complementary information for a more complete picture about infection for veterinarians and farmers
- Optimized workflow from sampling to results
- Easy and fast nucleic acid extraction and purification from a variety of swine samples
- High-quality real-time PCR reagents and kits for robust pathogen detection
- Highly sensitive and specific ELISA tests for detection of antibodies



Swine influenza virus (SIV)

Porcine reproductive and respiratory syndrome virus (PRRSV)

Porcine circovirus type 2 (PCV2)

Mycoplasma hyopneumoniae (*M. hyo*)

Use a workflow that's compatible with your existing laboratory processes

Whether it's a sample of blood, serum, tissue, organ, or semen, or it's an oral or nasal fluid sample collected with an Applied Biosystems™ GenoTube™ Livestock swab, the goal is to help you process a compatible workflow with your existing laboratory processes.

Purify nucleic acids from porcine samples

Applied Biosystems™ MagMAX™ nucleic acid isolation kits along with the Thermo Scientific™ KingFisher™ Magnetic Particle Processor assist the diagnostic laboratory in obtaining high-quality nucleic acid that's purified with a short run time for accurate real-time PCR results from a variety of samples.

Real-time PCR—a sensitive and rapid method that provides clear proof of pathogen infection

Applied Biosystems™ VetMAX™ real-time PCR tests are designed to provide fast, reliable, and high-quality results from multiple sample types. Real-time PCR tests help confirm an individual pig's clinical disease or current infection, or the cause of death in pigs. Real-time PCR is also especially valuable in the early stages of an infection when antibodies have not yet been generated.

ELISAs are used for the detection of antibodies against pathogens in swine serum

If a specific pathogen's antibodies are found in serum with Applied Biosystems™ PrioCHECK™ ELISA kits, it means the infection occurred sometime in the past. This provides a reliable basis for the implementation of measures to decrease the presence of pathogens in pig herds. PrioCHECK ELISA kits and software have been developed to make every step of your ELISA workflow easier and more efficient.

Ordering information

	Product	Type	Quantity	Cat. No.
PRRSV	VetMAX PRRSV NA & EU Reagents	Real-time PCR	100 reactions	4468465
	VetMAX PRRSV NA & EU Controls		1 kit	4405548
	VetMAX PRRSV EU & NA 2.0 Kit		100 tests	A35751
	PrioCHECK Porcine PRRSV Ab Strip Kit	ELISA	450 samples	7610880
SIV	VetMAX-Gold SIV Detection Kit—USDA licensed	Real-time PCR	100 reactions	4415200
	VetMAX-Gold SIV Subtyping Kit—USDA licensed		100 tests	4485541
	VetMAX Swine Influenza A-09 Kit		100 tests	INFAPSWINE
	PrioCHECK Swine Influenza Ab Serum Plate Kit	ELISA	480 tests / 5 plates	VETSIV5I

	Product	Type	Quantity	Cat. No.
<i>Mycoplasma hyopneumoniae</i>	VetMAX <i>M. hyopneumoniae</i> Reagents	Real-time PCR	100 reactions	4415218
	VetMAX <i>M. hyopneumoniae</i> Reagents, Applied Biosystems design		100 reactions	4415217
	VetMAX <i>M. hyopneumoniae</i> Controls (positive internal DNA control)		10 reactions	4415198
	VetMAX-Plus qPCR Master Mix		100 tests	4415327
PCV2	VetMAX Porcine PCV2 Quantification Kit	Real-time PCR	100 tests	QPCV
Sampling and sample preparation	GenoTube Livestock swab	Sampling tool	1 swab	9062010
	MagMAX CORE Nucleic Acid Purification Kit	Sample preparation	100 reactions	A32700
			500 reactions	A32702

Use of this promotional material is for outside US only.

Find out more at
thermofisher.com/swinerespiratorydisease

ThermoFisher
 SCIENTIFIC