



VetMAX PRRSV EU & NA 2.0 Kit

The second generation of our real-time RT-PCR kit that detects and differentiates European (EU) and North American (NA) genotypes of PRRSV



Confidence in results

- Full coverage of 4 subtypes of EU-porcine reproductive and respiratory syndrome virus (PRRSV) and NA-PRRSV genotypes
- LD_{RT-PCR} for PRRSV EU and NA targets has been evaluated at 9 copies/RT-PCR in fast mode
- Based on 441 samples tested, the Applied Biosystems™ VetMAX™ PRRSV EU & NA 2.0 Kit shows a diagnostic sensitivity of 99.5% and a diagnostic specificity of 99.6%

Convenience

- Ready-to-use triplex RT-PCR kits that simultaneously amplify target RNA of EU and NA types and exogenous internal control

- Simple and fast workflow to obtain results in less than 1 hour and 50 minutes

Flexibility and cost efficiency

- Advanced design for an easy and quick update in case of future mutating strains
- Compatible with multiple sample types, including pig serum, whole blood, semen, tissue, oral fluid, and cell culture supernatant; use in individual samples or pool up to 5
- Fast or standard amplification mode available

Detected genotypes

Genotype	Origin	PRRSV detection
EU-PRRSV subtype 1 (EU-1)	European countries	Detected
EU-PRRSV subtype 2 (EU-2)	Lithuania, Poland, Russia	Detected
EU-PRRSV subtype 3 (EU-3)	Lithuania, Poland, Russia, Slovenia	Detected
EU-PRRSV subtype 4 (EU-4)	Belarus	Detected
EU atypical	Belarus	Detected
NA genotype	USA	Detected
NA highly pathogenic (HP-PRRSV)	China	Detected

How do we evaluate the VetMAX PRRSV EU & NA 2.0 Kit?

Five external studies have been conducted by laboratories and research institutes in Austria, Belgium, Slovenia, Spain, and the United Kingdom (UK). Over 780 field samples of 13 origins were selected and tested.

Comparison and evaluation of performance with three other commercial RT-PCR kits.
Detectability on 4 strains diluted according to 10-fold range.

	VetMAX PRRSV EU & NA 2.0 Kit	Kit A	Kit B	Kit C
EU-1 detection	●●●	●●●	●●●	●●
EU-2 detection	●●●	●	●	●●
EU-3 detection	●●●	●	●	●
NA detection	●●	●●●	●●	●●

●●●: very good detection; ●●: good detection; ●: low detection; -: missed strains.

Real-time PCR PRRSV diagnostic workflow



36 min with Applied Biosystems™ MagMAX™ CORE Nucleic Acid Purification Kit and a Thermo Scientific™ KingFisher™ instrument



53 min in fast mode amplification program (PCR instruments such as the Applied Biosystems™ QuantStudio™ 5 system)

Ordering information

Product	Type	Quantity	Cat. No.
VetMAX PRRSV EU & NA 2.0 Kit	Real-time PCR	100 tests	A35751
Workflow products			
MagMAX CORE Nucleic Acid Purification Kit	Sample prep	100 preps	A32700
	Sample prep	500 preps	A32702
MagMAX Pathogen RNA/DNA Kit	Sample prep	480 preps	4462359
QuantStudio 5 Real-Time PCR System, 96-well, 0,2 mL	Analysis	1 instrument	A28574
KingFisher Flex Magnetic Particle Processor with 96 Deep-Well Head	Sample prep	1 instrument	5400630
Related products			
PrioCHECK Porcine PRRSV Ab Strip Kit	ELISA	5-strip plate kit (450 tests)	7610880

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