



Innovative primers and probes for PEDv testing

Manufactured to our standards—designed for your testing needs

Our animal health products have been at the forefront of recent advances in production animal diagnostics, supplying leading diagnostic tools to veterinary laboratories around the world. In keeping with our continued development of next-generation molecular tools, we offer custom reagents for porcine epidemic diarrhea virus (PEDv) testing.

These PEDv reagents:

- Enable monitoring of nucleic acid isolation efficacy as well as PCR inhibition with Xeno™ RNA internal positive control
- Are used in other animal health laboratories as part of their in-house validated assays
- Are a rapid and cost-effective method for amplification of target sequences
- Are manufactured under ISO 9001 QMS conditions, providing confidence in the supply and quality of products
- Are based on over 20 years of experience in the DNA/RNA arena, with extensive bioinformatics capabilities

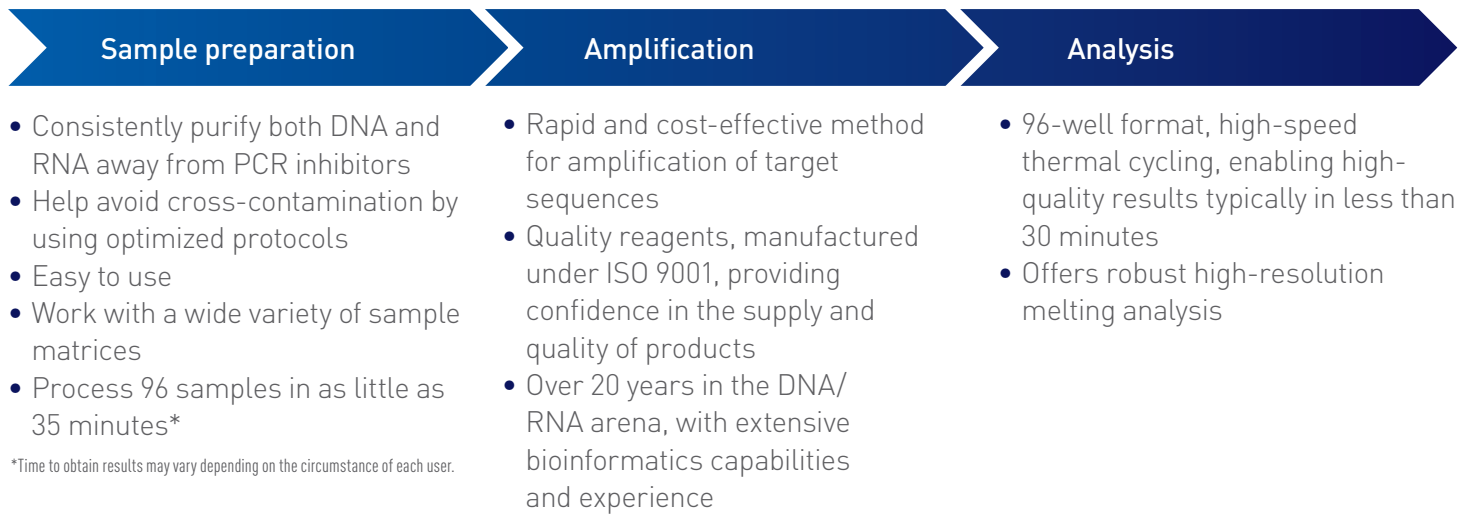
PEDv

PEDv is most prevalent in China and European countries and was diagnosed for the first time in the United States in April 2013. The disease occurs only in pigs and is caused by a coronavirus that is similar to that which causes transmissible gastroenteritis (TGE). The virus

damages the villi in the gut of the animal, producing acute and severe diarrhea outbreaks that can be quickly transmitted across pigs of all ages. In susceptible populations, acute outbreaks of diarrhea may affect up to 100% of sows, and can result in two clinical scenarios: PED Type I, which affects growing pigs, and PED Type II, which affects pigs of all ages. Diarrhea may persist for up to 14 days and may contribute to mortality rates of 60–100% in suckling pigs.

PEDv may create substantial economic loss because the disease is highly infectious and can contribute to significant death and production loss in pigs. Further monetary loss may also occur as a result of treatment and biosecurity costs. Consumers may also incur economic burden in the form of higher pork product prices.

A total workflow solution



Ordering information

Product	Type	Quantity	Cat. No.
Solution 1			
Swine PED/TGE Panel (includes internal positive control)	Real-time PCR	100 reactions	4486979
VetMAX™-Plus Multiplex One-Step RT-PCR Kit	Master mix	100 reactions	4415330
Solution 2			
PED/TGE/Rotavirus A Swine Panel (internal positive control not included)	Real-time PCR	100 reactions	4486975
Path-ID™ Multiplex One-Step RT-PCR Kit	Master mix	100 reactions	4442135
Workflow products			
MagMAX™ Express-96 Deep Well Magnetic Particle Processor	Sample prep	1 instrument	4400079
Applied Biosystems® 7500 Fast Real-Time PCR System with Dell™ Notebook	Analysis	1 instrument	4365464
Related products			
VetMAX™ NA and EU PRRSV Reagents	Real-time PCR	100 reactions	4468465
VetMAX™ NA and EU PRRSV and Xeno™ RNA Controls	Real-time PCR	Varies	4405548
VetMAX™-Gold SIV Detection Kit	Real-time PCR	100 reactions	4415200

Find out more at lifetechnologies.com/animalhealth

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