

Porcine Epidemic Diarrhea Virus (PEDV) Diagnostics now available at SDSU's Animal Disease Research and Diagnostic Laboratory

South Dakota State University's Animal Disease Research and Diagnostic Laboratory (ADRDL) has developed a PCR test for Porcine Epidemic Diarrhea Virus (PEDV) and encourages veterinarians to submit samples from suspect herds.

The test is a gel-based PCR that will detect the presence of PEDV. A differential test to detect Transmissible Gastroenteritis Virus (TGEV), a closely related virus well-known to US swine producers and veterinarians, is also available. Test results will be available the next working day after the samples arrive at our laboratory.

Veterinarians should submit fresh fecal or intestinal contents from affected pigs for testing. In addition, veterinarians are strongly encouraged to submit fresh and fixed sections of small intestine and colon for full diagnostic workup (see our user guide at <http://www.sdstate.edu/vs/adrld/upload/ADRDL-User-Guide.pdf> for specific information).

Samples should be submitted through a veterinarian, and can be sent to:

SDSU Animal Disease Research and Diagnostic Laboratory
Box 2175 North Campus Drive
South Dakota State University
Brookings, SD 57007

Submission forms are available at: <http://www.sdstate.edu/vs/adrld/forms/index.cfm>.

Diagnostic techniques for PEDV are rapidly evolving, and work to further develop other techniques, including real-time PCR, sequencing and serologic methods, is ongoing.

Please call the ADRDL at 605-688-5171 if you have specific questions, or contact Dr. Jane Hennings at jane.hennings@sdstate.edu or Dr. Eric Nelson at eric.nelson@sdstate.edu.

General information about PED in swine herds can be found at:

<http://www.aasv.org/aasv%20website/Resources/Diseases/PED/PED--AASVQF052313.pdf>

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