



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

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CENTER FOR VETERINARY BIOLOGICS NOTICE NO. 14-11

TO: Biologics Licensees, Permittees, and Applicants
Directors, Center for Veterinary Biologics
Veterinary Services Leadership Team

FROM: Byron E. Rippke /s/ *Byron E. Rippke*
Acting Director

SUBJECT: Availability of Porcine Delta Coronavirus Isolate

I. PURPOSE

The purpose of this notice is to inform interested parties that a Porcine Deltacoronavirus (PDCoV) isolate is available for purchase from the National Veterinary Services Laboratories (NVSL) online catalog.

II. BACKGROUND

The Coronavirus family can be subdivided into four groups based on genetic sequencing and serologic properties. These groups are known as Alpha, Beta, Gamma, and Delta Coronaviruses. Commonly known viruses affecting swine including Transmissible Gastroenteritis Virus (TGEV) and Porcine Epidemic Diarrhea Virus (PEDV) belong to the Alpha Coronavirus group. In 2014, a new coronavirus circulating in swine in the United States was isolated and identified as Porcine Delta Coronavirus (PDCoV). The PDCoV has been found in a relatively higher concentration on several farms experiencing acute diarrhea in sows and piglets that were negative for PEDV and TGEV. Research regarding the clinical significance of the PDCoV is ongoing. The PDCoV at NVSL was isolated from affected pigs in Illinois.

III. ACTION

Veterinary Services is making this virus available to the public without restrictions to encourage disease research and development of vaccines and diagnostic test kits to benefit the United States swine industry.

Biologics firms wishing to obtain samples of the PDCoV isolate for research purposes should do the following:

- A. Complete and submit a "Reagent Request Form," VS Form 4-9, and submit it to the NVSL, along with the current user fee, and shipping charges. The form can be obtained by any one of the following methods.

CENTER FOR VETERINARY BIOLOGICS NOTICE NO. 14-11

Page 2

1. Access NVSL's homepage and click on "Reagents and Proficiency Testing".
 2. Request a form by mail from the NVSL Reagents Office, Box 844, Ames, Iowa 50010.
 3. Request a form by fax at 515-337-7402.
 4. Request a form by email to NVSL_concerns@aphis.usda.gov.
- B. The completed VS Form 4-9, and the payment associated with the order, may be submitted:
1. By mail: NVSL User Fees, Box 844, Ames, Iowa 50010.
 2. By email: to NVSL_concerns@aphis.usda.gov.
- C. Additional guidance regarding placing an order is available at NVSL's catalog website, or by telephone at (515) 337-6200.
- D. Note that a USDA permit is required to receive this virus. Ensure that your facility has the appropriate permit to receive the virus.

IV. IMPLEMENTATION

The reagent is currently available from the NVSL.