



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

1920 Dayton Avenue
PO Box 844
Ames, IA 50010

(515) 337-6100

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CENTER FOR VETERINARY BIOLOGICS NOTICE NO. 14-02

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

FROM: Steven A. Karli /s/ *Steven A. Karli*
Acting Director
Center for Veterinary Biologics

SUBJECT: Availability of Porcine Epidemic Diarrhea Virus (PEDV)

I. PURPOSE

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

II. BACKGROUND

The PEDV was first recognized in the United Kingdom in 1971 and spread throughout much of Europe and Asia by 2013. PEDV is a coronavirus, which is distinguishable from transmissible gastroenteritis of swine (TGE) only by laboratory tests. PEDV is most serious in neonatal piglets where morbidity and mortality can be 80 to 100 percent. Transmission of PEDV is fecal-oral; no vector or reservoir has been implicated in its spread.

The United States Department of Agriculture's NVSL confirmed PEDV in an Iowa swine herd on May 17, 2013. Additional occurrences have been confirmed in multiple states, see <http://www.aasv.org/> for a listing. The PEDV available from NVSL was isolated from a swine intestinal sample from Colorado in 2013. 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. It is expected that any Master Seeds derived from this isolate be tested according to title 9, *Code of Federal Regulations*, in the same way that any other Master Seed candidate would be tested.

III. ACTION

Biologics firms that wish to obtain samples of the PEDV for research purposes should do the following:

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- A. Complete and submit a “Reagent Request Form,” VS Form 4-9, to the NVSL along with the current user fee, and shipping charges. The form can be obtained by any one of the following methods.
 1. Access NVSL’s online catalog and select “Reagent Request Form VS-4-9.” Reagents are listed in the catalog alphabetically under “NVSL Reagent Catalog.” The PEDV reagent is listed as Reagent Code 025-PDV and is available in aliquots of 0.6 mL per vial.
 2. Contact the NVSL Reagents Office, at Box 844 Ames, Iowa 50010 by mail.
 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 can be found in the NVSL catalog by selecting the “ordering” page. Additional guidance regarding placing an order is also available 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/ APPLICABILITY

The reagent is currently available from the NVSL.