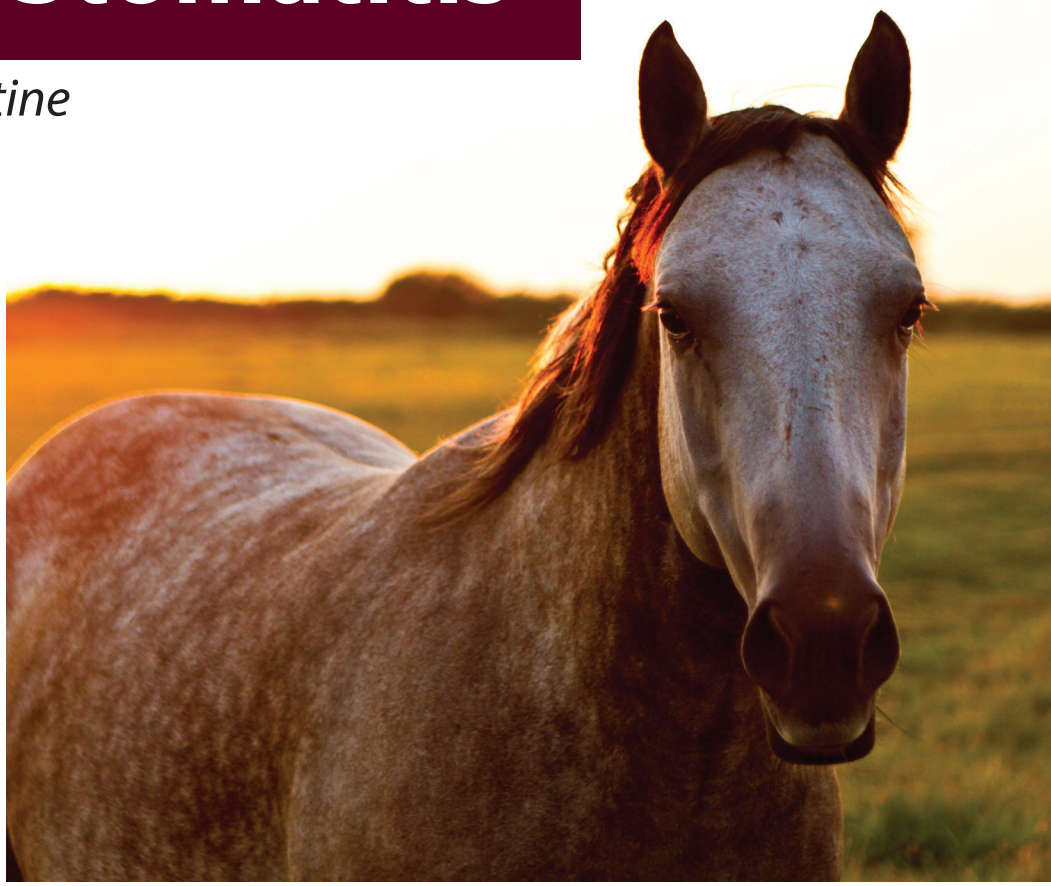
Vesicular Stomatitis

TVMDL conducts routine regulatory testing for export purposes



TEXAS A&M TVMDL VETERINARY MEDICAL DIAGNOSTIC LABORATORY

- Online at **tvmdl.tamu.edu**
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Though not foreign to the United States, vesicular stomatitis (VS) is not commonly found in livestock. The Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL) offers VS testing on clinically normal animals primarily for export testing. Samples from VS suspect cases can be submitted for differential testing; the VS testing is conducted at the U.S. Department of Agriculture National Veterinary Services Laboratory (NVSL). NVSL has two locations, Ames, Iowa, and Plum Island, New York,

VS is a reportable, viral disease that primarily affects cattle, horses, mules, donkeys and swine, but may also affect sheep, goats, llamas and alpacas. Although the disease is considered zoonotic, handling affected animals rarely infects humans. Two strains of the disease have historically been observed in the U.S., New Jersey (NJ) and Indiana-1 (Ind-1).

The virus may be transmitted by gnats and flies, contaminated equipment, especially water, feed or buckets, or through the movement of infected animals. The virus appears to spread from animal to animal by exposure to saliva or to fluid from ruptured lesions. The incubation period varies from 2-8 days with an average of 3-5 days.

If a veterinarian suspects VS, the veterinarian must contact the Texas Animal Health Commission (TAHC); it is recommended to isolate the suspect animal. The TAHC collects and sends samples to the appropriate NVSL for VS testing and can submit parallel samples to TVMDL for differential disease testing.

If a livestock owner is aware of a confirmed VS case in the area, then early detection and sample submission by a veterinarian for diagnostic testing is important. Suspected clinical cases should be reported to the TAHC via tahc.state.tx.us or call 512-719-0700.

For clinically normal animals, TVMDL's full-service laboratories in College Station and Amarillo offer both the virus neutralization (VN) test and complement fixation (CF) test to meet all countries' export requirements. Prior to ordering the CF test, please call the laboratory.

- Vesicular stomatitis panel (1:12 dilution), VN, requires 2 cc serum, $48 for in-state clients and $56 for out-of-state clients.
- VS virology panel, VN, 2 cc serum, $24 /$28.
- VS, IND, VN, 1 cc serum, $12 /$14.40.
- VS, NJ, VN, 1 cc serum, $12 /$14.40.

TVMDL works to protect animal and human health through diagnostics. For more information, visit tvmdl.tamu.edu or 888.646.5623.

About TVMDL:
The Texas A&M Veterinary Medical Diagnostic Laboratory protects animal and human health through diagnostics. An agency of the Texas A&M University System, TVMDL comprises two full-service laboratories, in College Station and Amarillo, and two poultry laboratories, in Center and Gonzales.

TVMDL is among 12 core laboratories in the National Animal Health Laboratory Network, a group of state and regional laboratories designed to provide a nationwide surge testing, response, and recovery capacity in the event of an animal disease outbreak.

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