

Finding the Source of BVD

BVDV may be the underlying cause of your sick cows



Protecting Animal and Human
Health through Diagnostics

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Accredited by the American
Association of Veterinary Laboratory
Diagnostics

The Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL) offers clients a range of tests to detect bovine viral diarrhea virus (BVDV). BVDV threatens the global cattle industry and negatively impacts producers in the form of decreased or lost productivity.

Despite vaccines and an array of diagnostic tests, this expensive disease continues to impact cattle producers. About 70 to 90 percent of all BVDV infections go undetected, leaving the industry open to more losses from BVDV.

The respiratory, immune, intestinal, blood and reproductive systems can all be affected by BVDV. Diagnosing the disease can require more than one test to determine the cause of a poor doing cow's symptoms. Producers are offered an array of tests at TVMDL, and they are completed in a timely manner.

A BVDV-infected animal can manifest a variety of clinical signs. These include fever, lethargy, loss of appetite, ocular and/or nasal discharge, oral lesions, diarrhea, decreased milk production, abortion and weak calves that fail to thrive.

Often, there are no outward signs that the animal is infected with BVDV and many diseases present as co-infections with BVDV as the root cause:

- bovine herpesvirus-1 (IBR)
- parainfluenza-3
- bovine respiratory coronavirus
- pastuerella
- mycoplasma
- histophilus

TVMDL offers a panel to detect four cattle diseases, including BVDV. The B4 panel is a cost-effective quantitative PCR testing option for exporters and producers, and tests for:

- bovine herpesvirus-1 (IBR)
- bovine leukosis
- bluetongue virus
- BVDV

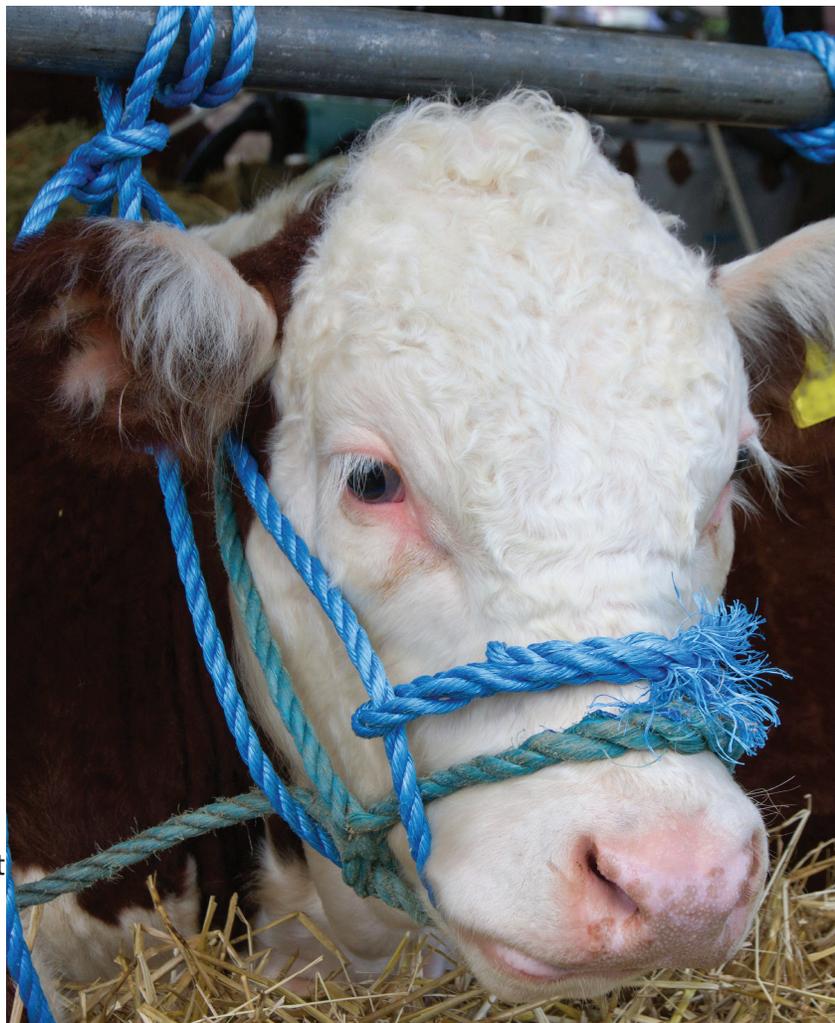
Proper test selection is critical for diagnosis. TVMDL offers a variety of tests to diagnose BVDV:

- virus isolation
- virus neutralization
- immunohistochemistry (IHC) by ear notch
- PCR
- antigen capture ELISA

Working with your veterinarian, you can determine the appropriate test for your animal based on its symptoms. Once it is determined that cattle are infected with BVDV, it is best to consult a veterinarian for recommended disease management options.

For questions regarding diagnostic testing for BVDV, contact TVMDL Amarillo at 1.888.646.5624 or the TVMDL College Station at 1.888.646.5623.

For more information on BVD, visit;
agrilifebookstore.org/product-p/e-235.htm,
or visit bvdconsult.com.



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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