

BVDV – This is a list of tests for Bovine Viral Diarrhea Virus (BVDV) available at NCVDLs.

Test Name	Recommended Samples	In-state Price*	Details	Lab/Section/Test Schedule	Turn Around Time
BVDV Viral Neutralization (VN)	Serum (minimum 1 ml)	\$6.75/sample	Detects antibodies to Types 1a, 1b, and 2; Vaccination may interfere with interpretation.	Rollins/Viro/M,F	3-5 days
BVDV ELISA (antigen capture)	Ear notch, fresh – individually labeled tubes with no fixative; Serum	\$5.75/sample	Detects virus in skin of ear or serum. Positive result indicates persistent infection. Positive animals should be retested in 3-4 weeks.	Rollins/Viro/W	Wednesdays 1-2 days
BVDV PCR	Serum, EDTA blood (minimum 1 ml); fresh tissues (e.g. lung, lymphoid tissues, intestine), fresh ear notch	\$30.00/sample	Detects viral nucleic acids in serum, blood, and tissues.	Rollins/Mol/W	Wednesdays 2-3 days
BVDV Viral isolation	Fresh lymphoid tissues – lung, lymph node, spleen, ileum	\$30.00/test	Severe tissue autolysis may negatively affect viability of virus.	Rollins/Viro/M-F	2-4 weeks
BVDV Immunohistochemistry (IHC)	Formalin fixed haired skin (ear notch), formalin fixed lymphoid tissues. Formalin fixed lesions (pneumonia, oral ulcers, colitis)	Ear notch - \$30.00 for 1-5 animals; \$60.00 for 6-10 animals, etc. Other formalin fixed tissues \$45 for 1 slide, \$25.00 for each additional slide.	Preferred for differentiating acute infection, persistent infection or both. Submit each ear notch in separate formalin containers with animal ID clearly marked on container	Rollins/IHC/M-F	2-4 days

* Out-of-state submissions are charged at two times the in-state rate. See fee schedule for details.

A \$2.00 accession fee is applied to each case.