BVDV Virus and SN Antibody Detection

BVDV Virus Detection

ABR's BVDV detection systems (9C-AOP-BOV, EM-AOP-BOV and others) detect all BVDV genotypes and strains. This is because all the BVDV viruses grow in the cell type we use and because the conjugate used to detect BVDV infection of these cells has broad specificity, which includes all types of BVDV we have available for testing (there are plans to test our conjugate against as many of the atypical bovine pestiviruses as we can obtain).

BVDV SN Antibody Detection

ABR tests for serum neutralizing (SN) antibody to BVDV type 1 & 2 viruses. ABR generally uses two strains; BVDV strain AD/8 which is type 1 (genotype 1) and cytopathic, and BVDV strain TN131 which is type 2 (genotype 2) and noncytopathic. ABR can test SN antibody using other strains as well (see table below for complete list).

ABR Strain	Genotype	Biotype
AD/8	Type 1	Cytopathic (CP)
Modderman	Type 1	Noncytopathic (NCP)
NY1	Type 1	Noncytopathic (NCP)
TN131	Type 2	Noncytopathic (NCP)