



# Animal Health Diagnostic Center

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# Testing Options for Detection of Individual Bovine Virus Diarrhea Persistently Infected (BVD PI) Animals

## CATTLE

### Antigen Capture ELISA (ACE) on skin samples

- Any age of cattle can be tested using fresh skin (not fixed)
- Ear notch samples will not be pooled
- Cost; lag time = 2-4 days

### Antigen Capture ELISA (ACE) on serum samples

- Cattle must be 61 days of age or older
- Serum samples will not be pooled for the ACE test
- Cost; lag time = 2-4 days

### Individual PCR

- Cattle less than 61 days of age – **EDTA whole blood required**
- Cattle 61 days and older – EDTA whole blood, plasma, or serum are accepted
- Write "Individual PCR" on the submission form
- Cost per sample; lag time = 3-5 days

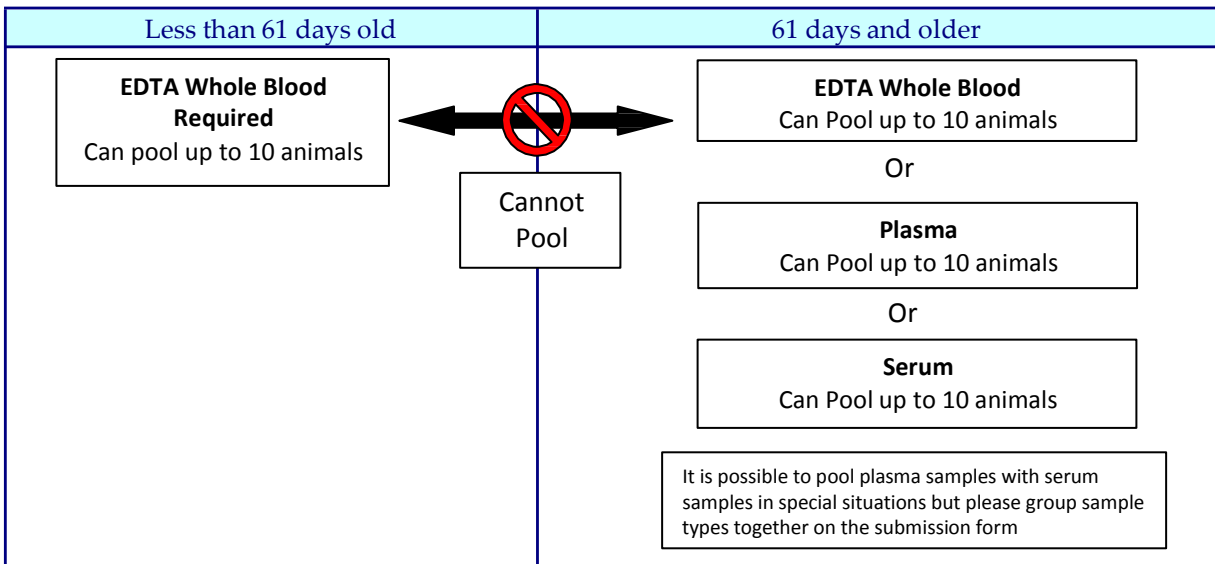
### Pooled PCR

- Cattle less than 61 days of age – **EDTA whole blood required**
- Cattle 61 days and older – EDTA whole blood, plasma, or serum are accepted
- Submit individually labeled samples; pooling is performed at the lab
- Animals less than 61 days of age will not be pooled with animals 61 days and older
- Cost per pool (see diagram below for pooling scheme); lag time = 3-5 days
- Samples from different owners will not be pooled.

### Virus Isolation

- EDTA whole blood for any age but serum is acceptable for animals 61 days and older
- Cost for EDTA whole blood or serum; lag time = 10-14 day

## Cattle **Pooling Scheme is for POOLED PCR testing only**



\* Please see either the Animal Health Diagnostic Center (AHDC) *Test and Fee Manual* or the AHDC website at <https://ahdc.vet.cornell.edu/> for additional information. Fees are subject to change. An accessioning fee will be added to each accession VSS-WEB-015-V01 9/27/2016