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

**CAMELIDS**

**Individual PCR**
- Camelids less than 61 days of age – **EDTA whole blood required**
- Camelids 61 days and older – EDTA whole blood, plasma, or serum are acceptable
- Write “Individual PCR” on the submission form
- Cost is $36.75* per sample; lag time = 3-5 days

**Pooled PCR**
- Camelids less than 61 days of age – **EDTA whole blood required**
- Camelids 61 days and older – EDTA whole blood, plasma, or serum are acceptable
- 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 is $36.75* 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 is $27.50* for EDTA whole blood and $22.* for serum; lag time = 10-14 days

Antigen Capture ELISA tests on skin or serum are not valid for camelids

Camelids **Pooling Scheme is for POOLED PCR testing only**

<table>
<thead>
<tr>
<th>Less than 61 days old</th>
<th>61 days and older</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EDTA Whole Blood</strong> Required</td>
<td><strong>EDTA Whole Blood</strong> Can Pool up to 5 animals</td>
</tr>
<tr>
<td>Can pool up to 2 animals</td>
<td>Or</td>
</tr>
<tr>
<td>Cannot Pool</td>
<td><strong>Plasma</strong> Can Pool up to 5 animals</td>
</tr>
<tr>
<td></td>
<td>Or</td>
</tr>
<tr>
<td></td>
<td><strong>Serum</strong> Can Pool up to 5 animals</td>
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</table>

It is possible to pool plasma samples with serum samples in special situations but please group sample types together on the submission form

* Please see either the Animal Health Diagnostic Center (AHDC) Test and Fee Manual or the AHDC website at diagcenter.vet.cornell.edu for additional information. Fees are subject to change. A $5.00 accessioning fee will be added to each accession submitted. Updated 5/25/10.