

BVD PI Dairy Herd Screening Protocol

The screening protocol assists the dairyman in finding all PI animals in the herd and also assists in keeping the herd BVD PI free. BVD PI screening should be part of a program involving modified-live vaccination, biosecurity and good management.



New entries into herd:

1. Home-raised Heifers – heifers should be tested prior to breeding for BVD PI status. If the heifer was tested as a calf and found to be negative there is no need to retest.
2. Purchased Open Heifers – All heifers should be tested before purchasing or before commingling with herd and prior to breeding.
3. Purchased Springers or Cows – All springers or cows with an unknown BVD PI status should be kept separate from the home herd, or tested negative prior to commingling. Newborn calves must also be tested from these animals to assure they PI negative.
4. Bulls – Bulls should be purchased as tested BVD PI free. If not, bulls should be tested prior to exposure to the cows.

Calves

1. All calves born alive should have an ear notch or blood sample taken. It is important to have a calf identified individually and know the dam. Ear notches or serum can be frozen for up to 30 days.
 - a. If only heifers are retained and tested, the cows that have bull calves will need to be tested.
 - b. It is ideal to test bull calves before leaving dairy.
2. All calves aborted, stillborn or dying should have a sample taken.

Cows

1. Cows do not need to be sampled if a sample is obtained from their calf and it is negative. This assures that the cow is not a PI. If the calf is positive, a sample needs to be taken from the cow to make sure she is not a PI.
2. In small or high-risk herds, it may be cost-effective to take samples from all cows to know that no PIs are present in the milking string. Continued sampling of all calves born and kept on the farm needs to be done to assure the dairy stays BVD PI free.
3. Bulk tank sampling may be used to monitor the milking string. Individual testing of cows should be done if the bulk tank is positive.
4. All cows (not previously tested) that lose a calf and a sample was not obtained from the calf, should be tested.

Positive animals:

- The PI animal needs to be eliminated from the herd. Once a PI calf, always a PI calf. PI calves may be humanely destroyed and are safe for human consumption. **These calves should not be marketed.**
- PIs that live to be breeding females can horizontally transfer the virus to other animals in the herd – and they will always produce a PI calf.

If you have any questions regarding the above protocol, please contact:

Bruce W. Hoffman, DVM
bwh@animalprofiling.com
406-282-7414

6040 North Cutter Circle, Suite 317; Portland, OR 97217-3935 Phone: (503) 247-8066 Fax: (503) 247-8028
Laboratory Phone: 503-247-8066 ext 341

Email: bwh@animalprofiling.com Websites: www.animalprofiling.com

APIPN104b

Sampling, Shipping and Pricing Information



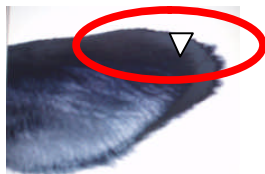
Ear Notch or Serum (BVD PI) Sample Collection

Materials Needed:

1. Red top serum (ear notch) or separator tubes (serum only) (5ml)
2. Small ear notcher
3. Shipping container with ice packs

Collection Procedure:

1. Write individual animal ID on tube
2. Blood – Use serum separator tube
3. Ear Notch - small ear notch placed in dry tube. (Do not place in formalin or PBS).
Be consistent where the notch is taken, we prefer the top outer third of the ear.



4. Rinse notchers in disinfectant after notching and rinse again in clean water prior to taking notch from next animal.
5. Maintain collected samples in a cooler with ice packs or in freezer prior to shipment
6. Samples can be frozen right after collection and tested within 30 days.

Shipping Procedures

Monday through Thursday

Place samples and ice pack in insulated envelope or bag prior to packing in box. Samples should be wrapped tightly and sealed to ensure samples remain cool during shipping.

Friday

Pack with extra ice packs to maintain samples over the weekend and call Heidi Anderson at 503-247-8066 ext 341 when shipping samples on Friday.

PREFERRED METHOD

UPS (discounted overnight rates)

Ship samples to:

Animal Profiling International, Inc
Hold for Will Call
6707 N. Basin
Portland, OR 97217
503-247-8066

1. Include client form with shipment
2. Call API for UPS Account Number.
Shipping will be billed on testing invoice
3. Use Overnight Saver for the shipping method
4. Check the bill receiver box.

ALTERNATE METHOD

Other Carriers (FedEx, DHL, US Postal)

Ship samples to:

Animal Profiling International, Inc
6040 North Cutter Circle
Suite 317
Portland, OR 97217
503-247-8066

1. Include client form with shipment
2. Sender will arrange payment
3. Use overnight or 2 day

Results will be emailed, phoned or faxed to you the next business day after samples are received.

If you have any questions regarding the above procedure or need supplies, please contact:

Heidi Anderson
503-247-8066 ext 341
heidia@animalprofiling.com

Pricing:

Less than 25 samples – \$3.95 per sample
25-99 samples - \$2.95 per sample
100 or more - \$1.95 per sample
Retest on positive pool (28) \$1.75 per sample only in the positive pool.