### **Seedstock Disease Surveillance Program**

### Adding Value with Disease Testing



As a cattle producer you already understand the value of identifying and managing any BVD-PI animals in your herd. Analysis of a subset of the Superior Livestock 2012 sales data released this summer confirms that cattle buyers and feedlots fully understand the value associated with feeding BVD-PI negative calves. The data analyzed was from June through September 2012, 2,868 lots totaling 353,624 cattle were marketed. 41 lots were identified as BVD-PI-negative cattle and brought a premium compared to non-BVD-PI tested cattle. The analysis of the 2013 data found that 253 lots (6x increase) were identified as BVD-PI-negative cattle and brought a \$1.80/cwt. premium compared to non-BVD-PI tested cattle. A \$10.80 advantage on a 600-lb. calf returned a little over \$8.00 per head even after accounting for the testing and additional labor costs. Data for the summer months of 2014 indicates that the premium continued at \$1.70/cwt compared to non-BVD-PI tested calves.

BVD-PI cows in a cow herd have been estimated to cause losses of \$24.00 per breeding animal. BVD Virus can manifest as a disease affecting the reproductive, respiratory and digestive systems. The losses can be from all three types but the most costly are reproductive loses. The PI cows are a constant source of virus being shed to the environment causing infections in other cows increasing days open as early embryonic death is a common result of viremia in the first 45 days of pregnancy.

BLV is caused by the bovine leukosis virus. It is mainly in the white blood cells and causes inflammation and dysfunction in lymph nodes throughout the body. 88.5% of dairy herds and 38.7% of beef herds are infected with the virus. Once an animal is infected with BLV they are lifetime carriers and shedders. The virus is spread through animal to animal contact via blood, milk/colostrum and in-utero from dam to offspring. Symptoms, appearing between 3-6 years of age may include weight loss, decreased milk production and downer cows. The disease is incurable and currently there is no treatment available. Afflicted animals get progressively more ill and are culled or die.

Newly purchased bulls and replacement heifers "that have not been tested" are the most common source and the greatest threat to introducing persistently infected animals back into your herd. All new animals should be tested and confirmed BVD-PI and BLV negative to protect your investment.

#### **Checklist Check-up:**

Are you doing everything you can to protect your herd from BVD and BLV? How many items can you check off in this list?

- ✓ We maintain a closed herd
- ✓ We don't purchase replacements from auction
- ✓ We buy certified free or BVD PI and BLV tested bulls and replacement heifers.
- ✓ We quarantine new arrivals and show stock for 30 days and test new arrivals for BVD PI and BLV
- ✓ We test purchased pregnant animals/calves at birth
- ✓ We maintain good records (performance, reproduction, and health)
- ✓ We review our herd health plan with our Veterinarian
- ✓ We determine why cows abort, why calves are sick, and why animals die

**For questions, contact:** API Sales (877) 278-1344, API Lab (503) 972-3041 or sales@animalprofiling.com **Headquarters:** 6040 N. Cutter Circle, Suite 317, Portland, OR 97217 www.animalprofiling.com

# Supply Order Information & Quick Start Guide

### **BVD Control/Surveillance Testing**



For questions and packet orders, please contact:

API

Phone: 877.278.1344

Email: sales@animalprofiling.com

www.animalprofiling.com

SUPPLY ORDER INFORMATION

TUBES EAR NOTCHERS

MWI Veterinary Supply Co.: BLD COL TUBE 5CC RED NO

Item Number: 002402

Animal Health International: BLOOD TUBE-RED 5ML EACH 301413

Item Number: 21241406

MWI Veterinary Supply Co.: EAR NOTCHER V SMALL Item Number: 023373

Animal Health International: EAR NOTCHER SMALL V 140020

Item Number: 21121511

Your veterinarian can order supplies from MWI Veterinary Supply Co. (MWI) or Animal Health International (AHI):

MWI Veterinary Supply Co. Phone: 800.824.3703

www.mwivet.com

Animal Health International (AHI)

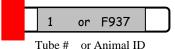
Phone: 800.203.5620

www.animalhealthinternational.com

#### EAR NOTCH COLLECTION PROCEDURES

1. Label tubes with a permanent marker and record corresponding animal ID on the submission list page. *This facilitates ease of recording and accuracy.* 

Correct tube labeling method >



2. Take the ear notch sample from the animal and place the sample in the dry tube prepared in step #1 above. (Do not place in formalin or PBS). Be consistent where the notch is taken. The top outer third of the ear is preferred.



< Preferable notch site of ear



< Approximate size of notch

- 3. Keep notcher clean and free of blood and hair buildup. Rinse excess blood and hair off of notcher as needed.
- 4. Disinfect notcher in between animals. Rinse notcher in mild disinfectant and again in clean water prior to taking notch from the next animal.
- 5. Notch can be handled with bare hand to place in tube.
- 6. Maintain collected samples in a cooler with ice packs or in freezer prior to shipment.
- 7. Samples can be frozen immediately after notching and tested within 30 days of time of collection.
- 8. When shipping, seal tubes in plastic bag before placing in the shipping box.
- 9. Place plastic bag with tubes in box. Include ice packs during hot weather.
- 10. Place client information and sample list form inside the box.

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Animal Profiling International, Inc.

### **Seedstock Client Information** and Sample Submission Form



Operation Name: Contact Name: Billing Address:	Last	Address			Firs	st				M.I.	
	City							State		ZIP Code	
Office Phone:	_(	)		Mobile	Phone:	_(_	)				
Office Fax #:		)		E-mail A	Address:						
Operation Type:		Seedstock	Cow-calf	Grower/Feedlo	ot						
Send Results: (circle one)		Fax	E-mail		Results will be emailed or fax		rad to you the nev				
Invoice to: (circle one)		Operation		business day after sampl							
VETERINARIAN I Veterinarian Name	_			Clini	c Name:						
Veterinarian Addre	ess:										
Veterinarian Phone		( )		Veterinar	an Fax:	(	)				
Veterinarian Email	l:										
TEST TYPE: BVD,	BLV	Select test to run. Ind	icate number of	samples under sel	ection.						
		Ear Notch PCR	Blood (w	hole/serum) PCR							
BVD											
BLV											
TEST TYPE: JOHN	IE'S D	ISEASE, NEOSPO	RA Select tes	t to run. Indicate nu	mber of sa	ample	s und	er selec	tion		
		Serum Test (ELISA)									
JOHNE'S DISESASE											
NEOSPORA											

### SHIPPING PROCEDURES

**EARLYPREG28** 

#### Monday through Thursday Shipments

• Place samples and ice pack in insulated envelope or bag prior to packing in box during hot weather.

Blood Whole/Serum

• Samples should be wrapped tightly and sealed to avoid samples being loose in the box.

TEST TYPE: PREGNANCY Select test to run. Indicate number of samples under selection

• Include client form with shipment.

#### Shipping Methods

UPS, FedEx, DHL, U.S. Postal Service "Express" or Priority

With a two-day shipment (U.S. Postal Service Priority Mail® or 2nd Day UPS or FedEx), it is best to mail on Monday, Tuesday or Wednesday.

Samples mailed on Thursday or Friday will not be delivered until Monday.

SEND TO:

Portland, OR 97217

Animal Profiling International, Inc.

6040 North Cutter Circle, Ste. 317

## **Sample Submission List**



Side of Redtop tube	
1	
Tube #	

Tubes should be labeled 1 through the end with the corresponding animal number written on the sheet only, not on the tube.

This facilitates better recording and accuracy.

Page	_of	Date:
Operation/	Owner:	

-,			
Tube #	Animal ID #	Tube #	Animal ID #
	I		I .

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