



Animal and
Plant Health
Inspection
Service

Veterinary
Services

Beef 2017 BVD Testing Collection Record

National Animal Health
Monitoring System

2150 Centre Ave, Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number: 0579-0326
Expires: xxxx

Thank you for participating in the NAHMS Beef Study and for taking the time to sample your calf crop for persistent infection with Bovine Viral Disease (BVD) virus. In order for the testing results to be accurate and of value to your operation, be sure to review all of the materials received and to follow collection and shipping instructions carefully. Your confidential results will be mailed directly to you approximately 14-21 days after they are tested at the lab.

Collection Considerations

All young, preweaned calves born from November 1, 2017, through June 30, 2018, should be sampled. The sample consists of a small tissue notched from the ear. Two ear notches should be taken from each calf.

You will need to provide regular household bleach (the label should say 5% sodium hypochlorite) for disinfecting ear notchers between each calf. It was not practical to include a disinfectant in the kit. You will need two pails: one to hold the bleach solution, and one with water to rinse the notchers after disinfection. Mix one cup of bleach per gallon of water for the disinfecting solution. If the label of the bleach container says "concentrated," then these mixing instructions do not apply. Regular 5% bleach is recommended. Nolvasan can be used as an alternative to bleach.

The calf will need to be identifiable (e.g., with an ear tag) in order to match results to animal.

You will need to freeze the tissues as soon as possible on the day of collection.

You can take samples throughout the calving period or all at the same time (e.g., when you process calves).

Shipping guidelines must be met.

- Samples need to be frozen for at least 12 hours before they are shipped to the laboratory.
- Samples must be shipped the same day they are removed from the freezer and boxed.
- Samples must be shipped on a Monday, Tuesday, or Wednesday

Check Federal Express Availability.

- Samples will be shipped overnight via Federal Express. Contact FedEx to determine local drop-off and hours of operation for a location that **accepts Priority Overnight** packages. 1-800-gofedex (1-800-463-3339) or www.fedex.com

The last day to collect samples is July 15, 2018. The last day to ship samples is July 16, 2018.

Sample Shipping Considerations

If you plan to collect samples as calves are born or are expecting over 150 calves, you are encouraged to submit a portion of the samples halfway through the calving season. Not only will this help with the laboratory flow of samples, but you will receive the results for these older calves earlier. The sooner you know if a calf is positive, the sooner you can make a management decision regarding the calf.

If you only received an Initial Kit and would like to send samples in two batches, please contact Abby Zehr (970-494-7252) (Abigail.C.Zehr@aphis.usda.gov) to receive another box.

Please Check Kit Contents

Initial Kit:

1 ear notcher sample bags* 3 ziplock bags 1 liner bag 4 ice packs pen paperwork

*A standard Kit has 150 sample bags, your kit may have more or less depending on number of calves expected

Paperwork consists of:

These collection and shipping instructions

1 prepaid, business-reply envelope addressed to NAHMS

3-part carbonless paper collection form

1 prepaid/pre-addressed FedEx airbill

Secondary Kit:

Depending on the size of the expected calf crop or if samples will be sent to the lab in batches, you may have received an additional box called a Secondary Kit. Secondary Kits contain a liner bag, sample bags, ziplock bags, ice packs, pen and paperwork. If you are missing materials or have any questions, contact Abby Zehr (contact info is on first page).

Sample Bag

SUGGESTION: Tear off and discard the clear strip on the bags before going out into the field.

Legibly write the Calf ID on the bag.

- The ID must be readable and complete enough in order to match results back to the appropriate calf.
- Use the supplied permanent pen.

Check the age range of the calf.

- Less than 3 weeks
- 3 weeks to 3 months
- More than 3 months

Make sure 1 age range is clearly marked

BVD Testing Collection Record

You need to complete a separate Collection Record for each box sent to the laboratory.

Complete the Collection Record.

- Be sure information records through all 3 pages of the carbonless form.

State and Operation Number

- Write in your state.
- The operation number that your NAHMS data collector wrote on the Producer Agreement.

Enter the number of **boxes** you are shipping TODAY.

Enter the number of **samples** in the box being sent with this paperwork. Each box of samples must have its own Collection Record and Calf ID list.

List the Calf IDs being sent in this box.

- If more than 150 samples in this box, continue listing on a separate piece of paper.

Example

Samples must be shipped on Monday, Tuesday, or Wednesday.

State:	Operation Number:	How many boxes are you sending today?	How many samples are in this box?	Kit Number:
CO	1279 <small>(from Producer Agreement)</small>	1	38	113

To better facilitate the lab process and to assure that all samples are received, please list all Calf IDs being sent in this box starting are line 1 below.

1 0914XZ81	12 R1479	23 R1483	34 R1465
2 79	13 R1499	24 R1484	35 R1462
3 80	14 R1501	25 G01	36 G23
4 63	15 R1461	26 G08	37 G48
5 64	16 R1444	27 G02	38 G49
6 99	17 R1485	28 G09	39
7 09154R17	18 G06	29 G22	40
8 01	19 R1476	30 G27	41
9 0915XR11	20 R1404	31 G17	42
10 09154R21	21 R1492	32 G03	43
11 38	22 R1491	33 R1498	44

CALF ID List continues on next page

Mail the original copy of this form to the laboratory along with the samples.
Send a copy to NAHMS using the attached business-reply envelope. Keep a copy for your records.
Thank you.

Collection Instructions

IT IS CRITICAL that the base of the notcher is set fully on the calf's ear. The lab needs the full triangle cut in order to test.



NOTE: The ear (on right) is shaved to show correct placement of notcher. Samples will more likely be covered with hair.


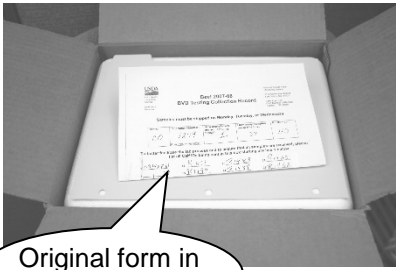

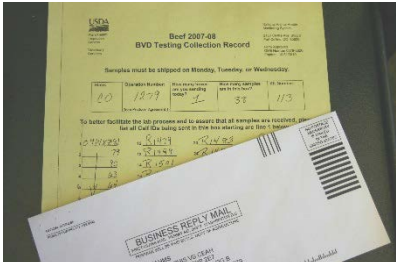
	<p>NOTE: The tissue notched from the ear is small and can easily be lost if it falls to the ground.</p>		<p>Prepare a disinfecting solution by adding 1 cup 5% bleach per gallon of water. Fill another pail with water. After each calf, rinse the ear notcher in the bleach bucket and then rinse in the water bucket. It is recommended to replace the solutions in each pail every 25 calves.</p>
	<p>1. Secure the calf.</p>		<p>2. Expose the soft tissue around the ear.</p>
	<p>CRITICAL 3. Fully set the notcher over the ear and squeeze. Place the ear notch in a sample bag It is okay to take hair, but insure that the full triangle of tissue is cut.</p>		<p>4. Take the second ear notch from the same calf and place in the bag with the first ear notch.</p>
	<p>4. Work ear notches to bottom of bag as shown on the right. Remove air, fold down twice, and bend ties to secure closed.</p>		<p>5. Label the sample using a permanent-ink marker (such as the one supplied).</p> <ul style="list-style-type: none"> ➤ Write the Calf ID clearly and check the age category. ➤ Do not fold ties such that they obscure the Calf ID number.
<p>6. Place samples in one of the gallon-size ziplock bags and freeze as soon as possible.</p> <ul style="list-style-type: none"> ➤ Take precautions to avoid contamination if you must freeze the samples in your kitchen freezer. 		<p>7. Samples must be frozen for 12 hours before they are shipped to the laboratory.</p>	

Shipping Instructions

Freeze ice packs solid before shipping to lab.

Samples must be frozen at least 12 hours and kept frozen until shipped.

NOTE: Before preparing the box for shipping, record onto the 3-part BVD Testing Collection Record the Calf IDs from the sample bags. The list does not need to be in any particular order.

<p>1. Place the liner bag in Styrofoam box.</p> <p>2. Put 2 frozen ice packs in bottom of bag.</p> <p>3. Place the ziplock bags containing samples on top of the ice packs.</p>		<p>4. Put in two more frozen ice packs.</p> <ul style="list-style-type: none"> ➤ Fill in extra space with newspaper. ➤ Squeeze air out of liner and tie. 	
 <p>Original form in ziplock bag.</p>	<p>5. Put the original Collection Record with Calf IDs in a ziplock bag and place between the Styrofoam lid and outer box lid.</p> <ul style="list-style-type: none"> ➤ Use strapping tape to seal box. 		<p>6. Remove or blackout old labels on outside of box.</p> <p>7. Secure the peel & stick FedEx airbill on top of the box.</p> <p>Drop off at a FedEx location.</p>
	<p>8. Mail the yellow copy of the form to NAHMS using the prepaid, business-reply envelope.</p> <ul style="list-style-type: none"> ➤ Keep the pink copy for your records. 		

Fed Ex will not accept or will pull a box in transit if it appears to be leaking.

They will also not accept packages with old labels on the box.

Delays like these may affect the quality of samples arriving at the lab.

Pack the samples and ice packs inside the liner bag and tie or tape the liner shut.

Remove or thoroughly blackout the label addressed to you when the package was delivered.



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Samples must be shipped on Monday, Tuesday, or Wednesday.

State:	Operation Number: (from Producer Agreement)	How many sample boxes are you sending TODAY.	How many samples are in THIS box?	Kit Number:
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Each box of samples must have its own set of paperwork and Calf ID list.

Beginning on Line 1 below, please list the Calf ID, as recorded on the individual sample bag label, for all samples being sent in this box. They do not need to be listed in any particular order. This facilitates the lab process and ensures that all samples are received.

1 _____	12 _____	23 _____	34 _____
2 _____	13 _____	24 _____	35 _____
3 _____	14 _____	25 _____	36 _____
4 _____	15 _____	26 _____	37 _____
5 _____	16 _____	27 _____	38 _____
6 _____	17 _____	28 _____	39 _____
7 _____	18 _____	29 _____	40 _____
8 _____	19 _____	30 _____	41 _____
9 _____	20 _____	31 _____	42 _____
10 _____	21 _____	32 _____	43 _____
11 _____	22 _____	33 _____	44 _____

CALF ID List continues on next page

**Mail the original copy of this form to the laboratory along with the samples.
Send a copy to NAHMS using the attached business-reply envelope. Keep a copy for your records.
Thank you.**

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0326. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

**NAHMS-405
AUG 2017**

Original copy to lab with samples

Continue the list of Calf ID's for the samples sent in one box to the lab.

State: _____	Operation: _____	Kit #: _____	
45 _____	72 _____	99 _____	126 _____
46 _____	73 _____	100 _____	127 _____
47 _____	74 _____	101 _____	128 _____
48 _____	75 _____	102 _____	129 _____
49 _____	76 _____	103 _____	130 _____
50 _____	77 _____	104 _____	131 _____
51 _____	78 _____	105 _____	132 _____
52 _____	79 _____	106 _____	133 _____
53 _____	80 _____	107 _____	134 _____
54 _____	81 _____	108 _____	135 _____
55 _____	82 _____	109 _____	136 _____
56 _____	83 _____	110 _____	137 _____
57 _____	84 _____	111 _____	138 _____
58 _____	85 _____	112 _____	139 _____
59 _____	86 _____	113 _____	140 _____
60 _____	87 _____	114 _____	141 _____
61 _____	88 _____	115 _____	142 _____
62 _____	89 _____	116 _____	143 _____
63 _____	90 _____	117 _____	144 _____
64 _____	91 _____	118 _____	145 _____
65 _____	92 _____	119 _____	146 _____
66 _____	93 _____	120 _____	147 _____
67 _____	94 _____	121 _____	148 _____
68 _____	95 _____	122 _____	149 _____
69 _____	96 _____	123 _____	150 _____
70 _____	97 _____	124 _____	Continue on another Calf ID List or sheet of paper.
71 _____	98 _____	125 _____	

Original copy to lab with samples