



Animal and
Plant Health
Inspection
Service

Veterinary
Services

Beef 2017

BVD Testing Collection Instructions

National Animal Health
Monitoring System

2150 Centre Ave, Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number 0579-0326
Expires: Sept 2020

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. 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 to you approximately 14-21 days after your samples are tested at the lab. You will have the option to retest positive calves to verify they are persistently infected.

Collection Considerations

All young, preweaned (not yet weaned) calves born from November 1, 2017, through July 15, 2018, can be sampled. **Two ear notches should be taken from each calf.** You will need to provide regular 5% household bleach (the label should say 5% sodium hypochlorite) for disinfecting ear notchers after each calf. 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. Nolvasan can be used as an alternative to bleach.

Sampling guidelines must be followed.

- The calf will need to be identifiable (e.g., with an ear tag) in order to match the results to the 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. Do not ship on July 2nd - July 4th.**

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 want to send samples in two batches or have more than 150 calves, please contact Abby Zehr (970-494-7252) (Abigail.C.Zehr@aphis.usda.gov) to receive a Secondary Kit.

According to the Paperwork Reduction Act of 1995, no persons are 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 1.5 hours per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collected.

NAHMS-405
Sept 2018

Please Check Kit Contents

Primary Kit:

1 shipping box*, 1 Styrofoam cooler, 1 ear notcher, 150 labeled Whirl-pak® sample bags, 3 Ziploc® bags, 1 liner bag, 2 ice packs, 1 permanent-ink marker, collection and shipping instructions, Collection Record form on carbonless paper, 1 prepaid business-reply envelope addressed to NAHMS, 1 prepaid/pre-addressed FedEx airbill

*The box the kit was delivered in is used to ship samples to the lab.

Secondary Kit:

If the expected calf crop is greater than 150 calves, you will need at least one additional kit called a Secondary Kit. Secondary Kits contain a shipping box, a Styrofoam cooler, a liner bag, 150 Whirl-Pak® bags, 3 Ziploc® bags, 2 ice packs, 1 marker, and paperwork. If you need another kit, are missing materials, or have questions, contact Abby Zehr (contact info is on first page).

Whirl-Pak® Sample Bag

SUGGESTION: Tear off and discard the perforated clear strip on the tops of 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 marker.

Check the age range of the calf.

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

BVD Testing Collection Record

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

<p>Complete the Collection Record.</p> <ul style="list-style-type: none"> ➤ Be sure your writing is readable on all 3 pages of the carbonless form. 	<p>Example</p> <div style="text-align: center;"> <p>Beef 2007-08 BVD Testing Collection Record</p> <p><small>National Animal Health Monitoring System 2150 Centre Ave, Bldg B Fort Collins, CO 80526 Form Approved OMB Number 0579-0326 Expires: 10/31/2010</small></p> <p>Samples must be shipped on Monday, Tuesday, or Wednesday.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20%;">State: <u>CO</u></td> <td style="width: 20%;">Operation Number: <u>1279</u> <small>(from Producer Agreement)</small></td> <td style="width: 20%;">How many boxes are you sending today? <u>1</u></td> <td style="width: 20%;">How many samples are in this box? <u>38</u></td> <td style="width: 20%;">Kit Number: <u>113</u></td> </tr> </table> <p>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.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">1 <u>0914XZ81</u></td> <td style="width: 25%;">12 <u>R1479</u></td> <td style="width: 25%;">23 <u>R1483</u></td> <td style="width: 25%;">34 <u>R1465</u></td> </tr> <tr> <td>2 <u>79</u></td> <td>13 <u>R1499</u></td> <td>24 <u>R1484</u></td> <td>35 <u>R1462</u></td> </tr> <tr> <td>3 <u>80</u></td> <td>14 <u>R1501</u></td> <td>25 <u>G01</u></td> <td>36 <u>G23</u></td> </tr> <tr> <td>4 <u>63</u></td> <td>15 <u>R1461</u></td> <td>26 <u>G08</u></td> <td>37 <u>G48</u></td> </tr> <tr> <td>5 <u>64</u></td> <td>16 <u>R1444</u></td> <td>27 <u>G02</u></td> <td>38 <u>G49</u></td> </tr> <tr> <td>6 <u>99</u></td> <td>17 <u>R1485</u></td> <td>28 <u>G09</u></td> <td>39 _____</td> </tr> <tr> <td>7 <u>09154R17</u></td> <td>18 <u>G06</u></td> <td>29 <u>G22</u></td> <td>40 _____</td> </tr> <tr> <td>8 <u>01</u></td> <td>19 <u>R1476</u></td> <td>30 <u>G27</u></td> <td>41 _____</td> </tr> <tr> <td>9 <u>0915XR11</u></td> <td>20 <u>R1404</u></td> <td>31 <u>G17</u></td> <td>42 _____</td> </tr> <tr> <td>10 <u>09154R21</u></td> <td>21 <u>R1492</u></td> <td>32 <u>G03</u></td> <td>43 _____</td> </tr> <tr> <td>11 <u>38</u></td> <td>22 <u>R1491</u></td> <td>33 <u>R1498</u></td> <td>44 _____</td> </tr> </table> <p style="text-align: center;">CALF ID List continues on next page</p> <p style="text-align: center; font-size: small;">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.</p> </div>	State: <u>CO</u>	Operation Number: <u>1279</u> <small>(from Producer Agreement)</small>	How many boxes are you sending today? <u>1</u>	How many samples are in this box? <u>38</u>	Kit Number: <u>113</u>	1 <u>0914XZ81</u>	12 <u>R1479</u>	23 <u>R1483</u>	34 <u>R1465</u>	2 <u>79</u>	13 <u>R1499</u>	24 <u>R1484</u>	35 <u>R1462</u>	3 <u>80</u>	14 <u>R1501</u>	25 <u>G01</u>	36 <u>G23</u>	4 <u>63</u>	15 <u>R1461</u>	26 <u>G08</u>	37 <u>G48</u>	5 <u>64</u>	16 <u>R1444</u>	27 <u>G02</u>	38 <u>G49</u>	6 <u>99</u>	17 <u>R1485</u>	28 <u>G09</u>	39 _____	7 <u>09154R17</u>	18 <u>G06</u>	29 <u>G22</u>	40 _____	8 <u>01</u>	19 <u>R1476</u>	30 <u>G27</u>	41 _____	9 <u>0915XR11</u>	20 <u>R1404</u>	31 <u>G17</u>	42 _____	10 <u>09154R21</u>	21 <u>R1492</u>	32 <u>G03</u>	43 _____	11 <u>38</u>	22 <u>R1491</u>	33 <u>R1498</u>	44 _____
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<p>State, Operation and Kit Number</p> <ul style="list-style-type: none"> ➤ Write in your State. ➤ The operation number is the number that your NAHMS data collector wrote on the Producer Agreement. ➤ The kit number can be found on the outside of the shipping box. 																																																		
<p>Enter the number of boxes you are shipping TODAY.</p>																																																		
<p>Enter the number of samples in the box. Each box of samples must have its own Collection Record.</p>																																																		
<p>List the Calf IDs being sent in this box.</p> <ul style="list-style-type: none"> ➤ If you have over 44 calves, continue recording on the 2nd carbonless form. ➤ If there are more than 150 samples, you will need to use a secondary kit. 																																																		


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. The ear does not need to be shaved. Samples will 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 solution 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 ensure 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. The second sample can be from either ear.</p>
	<p>4. Work ear notches to bottom of Whirl-Pak® bag as shown on the right. Remove air, fold down twice, and bend ties to secure closed. Do not use the label to close the bag.</p>		<p>5. Label the sample using the supplied permanent-ink marker.</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. ➤ Record the calf ID on the Collection Record.
<p>6. Place samples in one of the gallon-size Ziploc® bags and freeze as soon as possible.</p>	<p>7. Samples must be frozen for at least 12 hours before they are shipped to the laboratory.</p>		


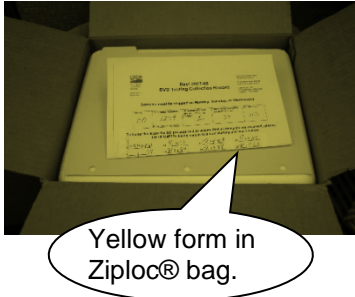

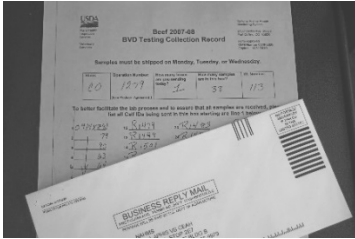
Shipping Instructions

Freeze ice packs solid before shipping to lab.

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

Samples must be shipped Monday-Wednesday. Do not ship samples on July 2nd - July 4th.

NOTE: Before preparing the box for shipping, record onto the 3-part BVD Testing Collection Record the Calf IDs from the sample bags. Make sure the sample number on the bag corresponds to the same sample number on the Collection Record.

<ol style="list-style-type: none"> 1. Place the liner bag in Styrofoam box. 2. Put 1 frozen ice pack in bottom of the liner bag. 3. Place the Ziploc® bags containing samples on top of the ice packs in the liner bag. 			
	<ol style="list-style-type: none"> 4. Put in 1 more frozen ice pack on the top in the liner bag. <ul style="list-style-type: none"> ➤ Fill in extra space with newspaper. ➤ Squeeze air out of liner and tie shut. 		<ol style="list-style-type: none"> 5. Put the yellow Collection Record form with Calf IDs in a Ziploc® bag to keep it dry. Place the Ziploc® between the Styrofoam lid and outer box lid. <ul style="list-style-type: none"> ➤ Seal the shipping box.
	<ol style="list-style-type: none"> 6. Remove or blackout old labels on outside of box. 7. Secure the peel & stick FedEx airbill on top of the box. Drop off at a FedEx location that accepts priority overnight packages. 		<ol style="list-style-type: none"> 8. Mail the white Collection Record form to NAHMS using the prepaid, business-reply envelope. <ul style="list-style-type: none"> ➤ Keep the pink copy for your records.

FedEx 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. Remove or thoroughly blackout the label addressed to you when the package was delivered. Delays like these may affect the quality of samples arriving at the lab.



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Beef 2017 BVD Testing Collection Record

**Samples must be shipped on Monday, Tuesday, or Wednesday.
Do not ship on July 2nd - July 4th.**

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 Whirl-Pak® bag label, for all samples being sent in this box. Make sure the sample number on the bag corresponds to the same sample number on the Collection Record below (e.g., write the calf ID from the "sample 1" bag in the space below labeled "1"). 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 the 2nd set of carbonless forms.

Put the yellow copy of this form in the box along with the samples. Send the white copy to NAHMS using the attached business-reply envelope. Keep the pink copy for your records.

Thank you.

According to the Paperwork Reduction Act of 1995, no persons are 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 1.5 hours per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collected.

**NAHMS-405
Sept 2018**

Yellow copy to lab with samples

Continue the list of Calf IDs 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 _____	
71 _____	98 _____	125 _____	

Ship the yellow copy to lab with samples. Mail the white copy to NAHMS. Keep the pink copy.