



Animal and Plant Health Inspection Service

Veterinary Services

National Animal Health Monitoring System

2150 Centre Ave, Bldg B Fort Collins, CO 80526

# Beef 2017 Fecal Collection Instructions

This instruction sheet does not need to be returned with the paperwork.

## Sampling Schedule

### Group 1: CO, FL, GA, IA, ID, KS, KY, MN, MS, OR, SD, VA

Collection dates are **January 22<sup>nd</sup> - February 28<sup>th</sup>**

Submit up to **24 samples/week per State**

### Group 2: AL, AR, CA, MO, MT, NE, ND, OH, TN, WY

Collection dates are **March 1<sup>st</sup> - April 6<sup>th</sup>**

Submit up to **24 samples/week per State**

### Group 3: OK, TX

Collection dates are **January 22<sup>nd</sup> - April 6<sup>th</sup>**

Submit up to **24 samples/week per State**

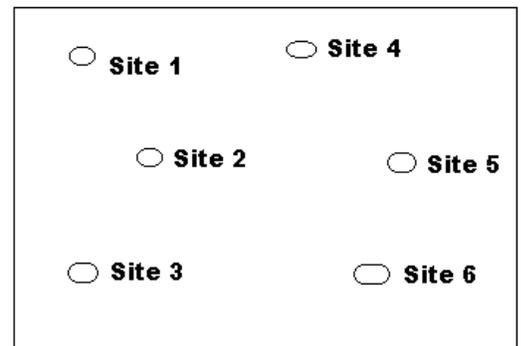
Samples will be cultured for *Salmonella*, *E. coli*, and *Enterococcus*. Summary results for *Salmonella* will be returned to the Producer. The Fecal Composite (FC) Kit contains 14 Whirl-pak® bags, sample labels, 2 ice packs, 2 gallon size Ziploc® bags (to double bag the samples and to bag the paperwork), 2 collection record forms, and a FedEx airbill.

## Instructions

**Freeze the ice packs before collection.** Samples need to be shipped via FedEx overnight delivery on a **Monday, Tuesday, or Wednesday.**

**Collect fresh manure/fecal pat samples** that are clearly from adult cattle from 6 different AREAS where adult cows congregate. If calves are present on the operation, collect an additional 6 AREA samples consisting of manure clearly from areas where calves congregate. Each composite AREA sample should consist of 2 ounces (golf-ball size) of manure from 6 SITES within an AREA. For example, if sampling near a source of cattle drinking water (an AREA), collect 2 ounces of manure from 6 different SITES near the source of drinking water. Good places (AREAS) for sampling may include, but are not limited to, areas near waterers, areas near feeding grounds, alleyways leading to a pasture/field, and pens for cows near calving. If an operation has only 1 or 2 of these areas, then all samples can be collected from these areas. Optimally, feces from the same cow or calf would not be sampled twice, but since samples are collected off the ground, it is unlikely you will know which animal the sample came from. **Do not collect from pens containing bulls only. Also do not collect samples from backgrounder/stocker cattle.**

### Area



An **area** consists of **6 sites**, with 2 ounces of manure being collected at each site. Six area samples on the operation will be collected.

### Cow samples

1. Attach the 6 cow sample labels onto the Whirl-pak® sample bags. (This may have been done by NVSL.)
2. Complete the top of the Fecal Collection Record.
3. For each AREA sample, collect about 2 ounces (~2 tablespoons or golf-ball size) of fresh manure that can clearly be identified as being from adult cows from each of 6 SITES within the AREA and **place all 6 SITE samples in 1 Whirl-pak® bag**. The SITE samples can consist of manure from more than 1 cow as long as the sample is clearly from adult cows. The same glove can be used for all 6 SITE samples within an AREA.
4. Remove excess air, roll the Whirl-pak® top down twice, and secure. Wipe bag the dry. **The laboratory THANKS YOU in advance for submitting clean bags.**
5. On the cow sample section of the Fecal Collection Record, check the appropriate column for the sample number and area from which the sample was taken. **Be sure the sample number checked on the form matches the sample number on the Whirl-pak® label.**
6. Use a new glove for each AREA sample.
7. Repeat steps 3–6 until 6 composite AREA samples containing adult cow manure have been sampled.



**[If calves ARE present, complete steps 8–13. If calves ARE NOT present, SKIP to step 14.]**

### Calf samples

8. Attach the 6 calf sample labels onto the Whirl-pak® sample bags. (This may have been done by NVSL.)
9. For each AREA sample, collect about 2 ounces (~2 tablespoons or golf-ball size) of fresh manure that can clearly be identified as being from calves from each of 6 SITES within the AREA and **place all 6 SITE samples in 1 Whirl-pak® bag**. The SITE samples can consist of manure from more than 1 calf as long as the sample is clearly from calves. The same glove can be used for all 6 SITE samples within an AREA.
10. Remove excess air, roll the Whirl-pak® top down twice, and secure. Wipe the bag dry. **The laboratory THANKS YOU in advance for submitting clean bags.**
11. On the calf sample section of the Fecal Collection Record, check the appropriate column for the sample number and area from which the sample was taken. **Be sure the sample number checked on the form matches the sample number on the Whirl-pak® label.**
12. Use a new glove for each AREA sample.
13. Repeat steps 9-12 until 6 composite AREA samples containing calf manure have been sampled.

**[Complete steps 14 and 15 for all samples.]**

14. Place the 6 or 12 Whirl-pak® bags in the gallon-size Ziploc® bag provided and cool down with frozen ice packs. Keep cool and, if necessary, replace ice packs so samples are shipped cold. **DO NOT** freeze samples. If the samples will not be shipped on the day of collection, store them in a refrigerator overnight.
15. Insert the yellow copy of the Collection Record in the gallon-size Ziploc® bag and place it in the shipping box with the samples. Send the white copy of the Collection Record to your Coordinator within 3 business days. The Producer keeps the pink copy of the Fecal Collection Record.



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# Beef 2017 Fecal Collection Record

National Animal Health  
Monitoring System

2150 Centre Ave, Bldg B  
Fort Collins, CO 80526

Form Approved  
OMB Number 0579-0326  
Approval expires: Sept 2020

<b>NAHMS ID:</b> (6 digits)	<b># of people involved:</b>  <input type="checkbox"/> Fed VMO <input type="checkbox"/> Fed AHT <input type="checkbox"/> State VMO <input type="checkbox"/> State AHT <input type="checkbox"/> Producer <input type="checkbox"/> Others—specify: _____	<b>Primary collector name and phone:</b>  _____ _____ - _____	<b>Date:</b> (mm/dd/yyyy)	<b>Kit number:</b>
<small>fid</small>	<small>fvmo/faht/fstvmo/fstaht/fprod/foth</small>	<small>fname/fph</small>	<small>fdate</small>	<small>fkit</small>

Cow samples	Check the appropriate area for the sample. Make only one check per column.					
Area	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
1--Area near water source						
2--Area near feeding grounds						
3--Alleyway leading to pasture/field						
4--Outside calving pen (pen for cows due to calve soon; may contain recently calved cows)						
5--Calving barn (indoor area for cows due to calve soon; may contain recently calved cows)						
6--Open field or pasture						
7--Pen with dirt or concrete floor						
8--Other—specify: _____						
<small>f101oth</small>	<small>f101</small>	<small>f102</small>	<small>f103</small>	<small>f104</small>	<small>f105</small>	<small>f106</small>

Calf samples (if collected)	Check the appropriate area for the sample. Make only one check per column.					
Area	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
1--Area near water source						
2--Area near feeding grounds						
3--Alleyway leading to pasture/field						
4--Outside calving pen (pen for cows due to calve soon; may contain newborn calves)						
5--Calving barn (indoor area for cows due to calve soon; may contain newborn calves)						
6--Outdoor creep pen (an outdoor area that only calves can access)						
7--Indoor creep (an indoor area that only calves can access)						
8--Other—specify: _____						
<small>f201oth</small>	<small>f201</small>	<small>f202</small>	<small>f203</small>	<small>f204</small>	<small>f205</small>	<small>f206</small>

**\* Do not freeze samples.\***

**Send the YELLOW COPY of this page along with the samples within 24 hours of collection to ARS, BEAR Lab in Athens, GA. Samples should be shipped on a Monday, Tuesday, or Wednesday. Send the WHITE COPY of this page and the Producer Agreement to your NAHMS Coordinator. The Producer keeps the PINK copy.**

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 0.75 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-404  
Sept 2018**



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# Beef 2017

## Fecal Supplemental Collection Record

**NAHMS ID** \_\_\_\_\_  
(6 digits)

**INSTRUCTIONS:**

Obtain the following information as instructed. Send this Collection Record to your NAHMS Coordinator.  
**Do NOT send this Collection Record to the ARS, BEAR lab along with the fecal samples.**

Question	Response	
Date when calving began in most current calving season. If no distinct calving season, put "NO SEASON" in column.	date	f301
Number of beef calves born from January 1, 2018, through the date of sample collection. If no calves born yet this season, put "NONE" in column.	head	f302
Since January 1, 2018, what has been the average stocking rate of cow-calf pairs on pasture or on fields with a forage source? <i>[Check one only.]</i>	<input type="checkbox"/> <sub>1</sub> Drylot operation—no pasture access <input type="checkbox"/> <sub>2</sub> Less than 1 acre/cow-calf pair <input type="checkbox"/> <sub>3</sub> 1 to less than 3 acres/cow-calf pair <input type="checkbox"/> <sub>4</sub> 3 to less than 6 acres/cow-calf pair <input type="checkbox"/> <sub>5</sub> 6 to less than 15 acres/cow-calf pair <input type="checkbox"/> <sub>6</sub> 15 or more acres/cow-calf pair	f303
What is the average cow weight (exclude heifers)?	lb	f304
Since January 1, 2018, how many new additions (e.g., purchased cattle) have been added to pens containing cow-calf pairs or cows due to calve?	head	f305
Number of cows that died since January 1, 2018	head	f306
Number of calves that died since January 1, 2018	head	f307

Ingredients fed in last 7 days	Specify if fed and other information as requested	
Alfalfa hay	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f401
Grass hay (good or acceptable quality)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f402
Grass hay (mature or poor quality)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f403
Straw	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f404
Corn stalks (baled)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f405
Crop residue (foraging in field)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f406
Corn (shelled or ground ear corn)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f407
Other grain (specify in column)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f408oth	f408
Corn silage	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No	f409
Other silage (specify in column)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f410oth	f410
Protein supplement. Specify primary protein supplement type in column (e.g., soybean meal) and crude percent protein in column.	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No type: _____ % protein: _____	f411/ f411t/f411p
Other roughage (specify in column)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f412oth	f412
	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f413oth	f413
	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f414oth	f414
	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f415oth	f415
Other ingredients (specify in column)	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f416oth	f416
	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f417oth	f417
	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f418oth	f418
	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>3</sub> No (specify: _____) f419oth	f419

Were any antimicrobials given **in feed** for cows or calves in the last 3 weeks (include antibiotics such as chlortetracycline given in mineral blocks or loose mineral)? ..... f420 <sub>1</sub> Yes <sub>3</sub> No

[If Yes, COMPLETE the table below.]

Antimicrobials given in feed, mineral block, or loose mineral in last 3 weeks	Cows		Calves (e.g., in creep feed)	
	Date first offered	Date last offered*	Date first offered	Date last offered*
Chlortetracycline (Aureomycin®, CTC, Pennchlor™)	f501	f516	f531	f546
Chlortetracycline with sulfamethazine ( Aureo S 700®, AS700, Aureomix S 700)	f502	f517	f532	f547
Decoquinat (Deccox™)	f503	f518	f533	f548
Laidlomycin (Cattlyst®)	f504	f519	f534	f549
Lasalocid (Bovatec™)	f505	f520	f535	f550
Monensin (Rumensin®)	f506	f521	f536	f551
Neomycin (Neomix®)	f507	f522	f537	f552
Neomycin with oxytetracycline (Neo-Terramycin®)	f508	f523	f538	f553
Oxytetracycline (OTC, Terramycin®)	f509	f524	f539	f554
Tilmicosin (Pulmotil®, Tilmovet®)	f510	f525	f540	f555
Bacitracin (BMD®)	f511	f526	f541	f556
Bambermycin (Gainpro™)	f512	f527	f542	f557
Tylosin (Tylan®)	f513	f528	f543	f558
Virginiamycin (V-Max®)	f514	f529	f544	f559
Other (specify: _____) f515oth	f515	f530	f545	f560

\*If still feeding, enter today's date.

Were any antimicrobials given **in water** to cows or calves in the last 3 weeks? ..... f561 <sub>1</sub> Yes <sub>3</sub> No

**[If Yes, COMPLETE the table below.]**

Antimicrobials given in water in last 3 weeks	Cows		Calves	
	Date first offered	Date last offered*	Date first offered	Date last offered*
Chlortetracycline (Aureomycyn, Chloronex, Chlortet-Soluble-O, CTC, Pennchlor)	f601	f609	f617	f625
Oxytetracycline (Terramycin soluble powder, Oxy-Sol, Oxytet 343, Pennox 343, Tetroxy 343)	f602	f610	f618	f626
Tetracycline (Duramycin 10, Tetramycin, Tetramed 324, Tet-Sol 324)	f603	f611	f619	f627
Neomycin (Neosol, NeoMed)	f604	f612	f620	f628
Spectinomycin (Spectam, SpectoGard)	f605	f613	f621	f629
Sulfadimethoxine (Sulfadimethoxine 12.5% oral solution, Sulforal, Sulfasol, Di-Methox 12.5%)	f606	f614	f622	f630
Sulfamethazine (SMZ-Med 454 soluble powder, Sulfa, Sulmet solution, Sulmet soluble powder)	f607	f615	f623	f631
Other (specify: _____) f608oth	f608	f616	f624	f632

\*If still adding to cattle water, enter today's date.

Were any antimicrobials given **by injection** or **bolus** to cows or calves in the last 3 weeks?..... f633 <sub>1</sub> Yes <sub>3</sub> No

**[If Yes, COMPLETE the table below.]**

Antimicrobials given by injection or bolus in last 3 weeks	Cows		Calves	
	Number treated	Date last treated	Number treated	Date last treated
Injections				
Tilmicosin (Micotil®)	f701	f721	f741	f761
Florfenicol (Nuflor®, Norfenicol®)	f702	f722	f742	f762
Florfenicol with flunixin meglumine (Resflor Gold®)	f703	f723	f743	f763
Ceftiofur (Naxcel®, Excenel®, Excede®)	f704	f724	f744	f764
Oxytetracycline (Oxy-Tet100™, LA200®, Biomycin®, Tetradure™ 300, Noromycin® 300, 300 Pro LA®)	f705	f725	f745	f765
Penicillin (Aquacillin, Norocillin®)	f706	f726	f746	f766
Amoxicillin (Amoxi-Inject®)	f707	f727	f747	f767
Ampicillin (Polyflex®)	f708	f728	f748	f768
Tulathromycin (Draxxin®)	f709	f729	f749	f769
Gamithromycin (Zactran®)	f710	f730	f750	f770
Tildipirosin (Zuprevo™)	f711	f731	f751	f771
Enrofloxacin (Baytril® 100, Enroflox® 100)	f712	f732	f752	f772
Danofloxacin (Advocin™)	f713	f733	f753	f773
Other (specify: _____) f714oth	f714	f734	f754	f774
<b>Bolus or tablet</b>	f715	f735	f755	f775
Oxytetracycline (Terramycin® scour tablets)	f716	f736	f756	f776
Trimethoprim/sulfamethoxazole (SMZ/TMP tablets, Bactrim® tablets, Tribriksen® tablets)	f717	f737	f757	f777
Sulfadimethoxine (Agribon Bolus, Albon® Bolus, Albon® S.R.)	f718	f738	f758	f778
Sulfamethazine (Sulmet® Oblets, Sustain III® Bolus, SulfaSURE™ SR Bolus, Sulka-S™ Bolus)	f719	f739	f759	f779
Other (specify: _____) f720oth	f720	f740	f760	f800

**Send this Supplemental Collection Record to your NAHMS Coordinator.**