

Dairy 2007 Bulk Tank Milk and Filter Collection Record



National Animal Health
Monitoring System

2150 Centre Ave, Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number 0579-0205
Approval expires: 4/30/10

State FIPS:	Operation #:	Collector:	Date:	Kit # on labels:
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Time of collection	_____ am or pm	Last known bulk tank somatic cell count	_____ (in thousand)
Temperature of milk at time of collection	_____ degrees F	Sample represents what percent of lactating cows in the herd?	_____ percent
Type of Milk Storage	<input type="checkbox"/> ₁ Tank <input type="checkbox"/> ₂ Silo	Number of cows represented in the bulk tank	
	Amount of time to collect and prepare samples		_____ minutes (do not include travel time)

Do NOT Freeze Samples

Sample the bulk tank when, as close as possible, 100% of the lactating cows have milk in the tank. If less than 75% of the lactating cows are represented, do not sample at this time.

Farm personnel will need to provide a recently removed filter. Farm personnel may wish to obtain the milk samples for you which is acceptable if done aseptically.

General Precautions

Efforts should be made to reduce any contamination during the sampling process by conscientious hand washing and use of aseptic sampling technique.

Hand Washing

Prior to any sampling, hands should be washed with soap and water and dried with single use towels. Wash hands any time they become contaminated during sampling.

Collection Instructions on back

Be sure the Fed Ex Airbill matches the laboratory on the label.

Be sure the tube contains the collection date and State FIPS and Operation Number because no paperwork is sent with the samples to the lab.

**MAKE SURE the kit number on the labels is written on this form.
This is the only way to connect data to sample results**

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 0579-0205. The time required to complete this information collection is estimated to average .25 hours per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collected.

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Sampling Procedure for Tanks with Manhole Lids

1. Turn on agitator for a minimum of **5 minutes** if the tank is less than 1500gal (5700L) capacity or for **10 minutes** if tank is greater than 1500gal capacity. If agitator is running at the time of arrival, continue to agitate for times listed above.
2. Record the temperature of milk (if available) on the front of this form.
3. Turn agitator switch back to its original position.
4. Open manhole lid as little as necessary during sampling.
5. Open the pipette bag and remove one sampling pipette. Close bag immediately.
6. Attach the 60 ml syringe to end of the collection pipette and hold onto the pipette as you lower it into the tank. Using the syringe and pipette, collect 60ml of milk from the tank.
7. Remove the pipette, making sure to keep it from becoming contaminated and put the milk directly from the syringe into the sample container. **Do not fill the sample container over the milk tank.**
8. Repeat to fill all bottles and tubes. Close tank lid and hose or wipe any spilled milk off the tank.
9. Ask the producer for a milk filter to be included with the milk samples sent to Antel BioSystems, Inc – Lansing, MI and ARS – Beltsville, MD. Cut the filter in half and place each in a separate whirlpak bag.
10. Write State FIPS, Operation Number, and collection date on label and place on the appropriate vial and whirlpak bag containing the milk filter. Seal the vials in a whirlpak bag to contain leakage during shipment, and place in shipping box with ice packs. Keep samples cool and ship within 24 hours.
11. Using the labels, ship the correct vial to the correct lab using the information on the labels and airbills.

A submission form is not sent to the laboratory, so it is important that the samples contain State ID, Farm ID, kit number, and collection date.

Tank Filter

You may not be able to obtain a filter at the time of collection. So call the dairy the day before the visit to determine the best time of day to collect the milk samples and ask that when a milk tank filter is pulled out that it be refrigerated in a plastic bag. You'll be able to use this filter to cut up and submit to the labs.

