

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

## Do NOT Freeze Samples

**Call the operation to determine the best time of day to visit when the bulk tank will have milk from, as close as possible, 100% of the lactating cows. If less than 75% of the lactating cows are represented in the tank at the time of the visit, do not sample.**

The in-line filter is also collected, but you may not be able to obtain it during your visit. Ask that when in-line filter is replaced before your visit (e.g., the day before), that the removed filter be placed in a clean plastic bag and refrigerated for you.

Farm personnel may wish to obtain the milk samples for you which is acceptable if done aseptically. It is also permissible for the milk truck operator to collect the needed samples.

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

## Review the Collection Instructions on back

**Confirm the Fed Ex Airbill matches the laboratory on the sample label.**

**Make sure the labels have the collection date and State & Operation numbers.**

**Write the kit number printed on the labels on this form.**

**No paperwork is sent with the samples to the labs. Assure labels and paperwork are correct as it is the only way to connect data to sample results.**

## **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.

## **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 and ARS in Beltsville, MD. Cut the filter in half and place each in a separate whirlpak bag.
10. Write the 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 separate 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 clean plastic bag. You'll be able to use this filter to cut up and submit to the labs.**