

**ACCIDENTAL MILKING ANTIBIOTIC-TREATED  
COWS INTO MILKING SYSTEM****1. PURPOSE**

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This Standard Operating Procedure (SOP) describes how to prevent antibiotic milk from reaching the bulk tank and being shipped.

**2. RESPONSIBILITY**

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All trained and qualified personnel.

**3. MATERIALS**

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- 3.1 Nitrile gloves
- 3.2 Sample bottle
- 3.3 Warm water
- 3.4 Pail
- 3.5 Emergency contact sheet
- 3.6 Delvo Tester and Delvo Test ampoule

**4. PROCEDURES**

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**4.1 ANTIBIOTICS IN THE BULK TANK**

4.1.1 If contaminated milk reaches the bulk tank;

4.1.1.1 Immediately Inform a staff member, following this sequence:

- the most senior staff member immediately
- a technician
- Farm Manager

4.1.2 Put a large sign “DO NOT PICK UP MILK” on the bulk tank informing the milk truck driver that there are potentially antibiotics in the milk.

4.1.3 Contact Agropur and the trucking company. Contact information is located in the pharmacy, on the windowsill just above the bulk tank pick-up log

4.1.4 Press the Agitate button on the control panel located on the wall beside the bulk tank. Let the milk agitate for at least 10 minutes.

4.1.5 Sampling:

4.1.5.1 Wear nitrile gloves.

4.1.5.2 Take 2 separate samples from the connecting valve at the base of the bulk tank. Fill the sample bottles/ tubes. If using a Valacta sample bottle, remove the preservative pill.

4.1.6 Testing:

4.1.6.1 Perform the Delvo® test confirm contamination of the bulk tank. (3-hour test)

4.1.6.2 Contact and send a sample to our local Agropur representative (3-minute test). Ferme Isabelle Inc. 74 Route 201 Coteau-du-Lac (450) 763-5552

**4.2 ANTIBIOTIC MILK IN THE RECEIVER JAR AND ANTIBIOTIC-TREATED COWS LEFT TO MILK**

If contaminated milk reached the receiver jar but has not been pumped into the bulk tank

- 4.2.1 Stop milking the treated cow and IMMEDIATELY go to the milk house.
  - 4.2.1.1 Disconnect the pipeline from the top of the bulk tank and let it hang vertically and drain into a pail.
  - 4.2.1.2 Empty the pail into a gutter in the Dairy Barn as it fills.
- 4.2.2 DO NOT let the milk drain into the milk house drain (the fat will block it).
- 4.2.3 Empty the receiver jar.
- 4.2.4 Hold the receiver jar switch “liquid level control panel” (left-hand side of the receiver jar) to pump the milk out into a pail or the gutter.
- 4.2.5 Inform the most senior member of staff IMMEDIATELY.
- 4.2.6 Continue milking the remaining “antibiotic cows” with the pipe disconnected from the bulk tank.

### 4.3 **ANTIBIOTIC MILK IN THE RECEIVER JAR AND COWS REMAIN TO BE MILKED**

If contaminated milk reached the receiver jar but has not been pumped into the bulk tank

- 4.3.1 STOP MILKING ALL COWS.
- 4.3.2 IMMEDIATELY go to the milk house.
  - 4.3.2.1 Disconnect the pipeline from the top of the bulk tank and let it hang vertically and drain into a pail. As the pail fills, empty it into a gutter in the Dairy Barn.
  - 4.3.2.2 DO NOT let the milk drain into the milk house drain (the fat will block it).
  - 4.3.2.3 Leave the bulk tank pipeline detached.
  - 4.3.2.4 Fill a clean pail with warm water and bring out the barn.
- 4.3.3 Return to the barn to Flush the Milker and the Pipeline:
  - 4.3.3.1 Plug the contaminated milker at the pipeline junction one cow further away from the milk house from where the treated cow was milked.
  - 4.3.3.2 Turn the claw over, allowing milk to drain then place the claw into the bucket of warm water.
  - 4.3.3.3 Holding down the valve on the milker claw, press the milk button on the milking unit and withdraw the solution by suction.
  - 4.3.3.4 When the pail is empty, Lift the milker out of the bucket and allow it to suction air for at least 2 minutes to push the solution into the receiver jar.
- 4.3.4 Return to the Milk House to pump out the receiver jar into a pail
  - 4.3.4.1 Hold the receiver jar switch on the “liquid level control panel” (left-hand side of the receiver jar)
  - 4.3.4.2 Hold the switch down, until the pipe begins to rattle to ensure all the contaminated liquid is pumped out.
  - 4.3.4.3 Open the black rubber stopper at the right end of the wash rack to flush air through the pipeline for a minimum of 60 seconds, to remove any residual milk and rinse water.
- 4.3.5 PUMP OUT THE RECEIVER JAR AGAIN as in 4.34.
- 4.3.6 When it has completely drained out, reattach the pipe to the bulk tank.
- 4.3.7 DO NOT reuse the contaminated milker. Hang the milker on the milk cart and identify it with a paper towel to prevent sharing with other cows.
- 4.3.8 Continue milking as normal.

## Document Status and Revision History

DATE	STATUS
7-Nov-2017	Version 02: MAC FACC approved
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