

Microbial Research, Inc.  
 2290 East Prospect Suite #1  
 Fort Collins, CO 80525



Phone: (970)221-4695  
 FAX: (970)221-0916  
 Email: lab@microbialresearch.com

### Enumeration of Selected Bacteria from Milk

Dairy Name: Swing Shift Farm  
 Phone: 970-250-0861, 970-596-5419  
 Email: frostgoatfarm@yahoo.com

| Sample Receipt |            |
|----------------|------------|
| Date:          | 10/15/2014 |
| Time:          | 930        |
| Condition:     | cold       |

| MRI Acc # | Description                          | Indicated organism present (Neg/Pos) |                     | Coliforms (CFU/mL) |
|-----------|--------------------------------------|--------------------------------------|---------------------|--------------------|
|           |                                      | <i>Salmonella</i>                    | <i>E. coli</i> O157 |                    |
| 112       | 10/14/14 6am<br>33°F Cow and<br>Goat | Neg                                  | Neg                 | 2                  |
|           |                                      |                                      |                     |                    |
|           |                                      |                                      |                     |                    |
|           |                                      |                                      |                     |                    |

| Standard Plate Count |        |            |          |       |          |                           |
|----------------------|--------|------------|----------|-------|----------|---------------------------|
| MRI Acc #            | Sector | # colonies |          |       | # CFU/mL | ✓ if<br>ESPC <sup>1</sup> |
|                      |        | Sector 1   | Sector 2 | Total |          |                           |
| 112                  | Total  | N/A        | N/A      | 84    | 1700     |                           |
|                      |        |            |          |       |          |                           |
|                      |        |            |          |       |          |                           |
|                      |        |            |          |       |          |                           |

<sup>1</sup>Estimated Standard Plate Count =for Internal Use Only

Standard Plate Count performed using the Spiral Plater set to dispense 50µL onto SMA and incubated at 32±2°C for 20-24 hours.  
 Salmonella detection procedure included enrichment of 1 mL of sample in 9 mL of TET or R10 and incubation at 41±2°C overnight. Incubated enrichment broth was streaked to appropriate agar which was incubated overnight at 36±2°C.

*E. coli* O157 procedure was performed by testing 1 mL of sample using immunomagnetic bead separation (IMS). 100 µL from the IMS procedure was then plated onto appropriate agar and incubated at 36±2°C overnight.

For Coliform enumeration, 1mL and 0.1mL of sample were plated to MAC and incubated at 36±2°C overnight.

Tests were not designed to comply with the Standard Methods for the Examination of Milk Products.