

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: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Condition: \_\_\_\_\_

MRI Acc #	Description	Indicated organism present (Neg/Pos)		Coliforms (CFU/mL)
		<i>Salmonella</i>	<i>E. coli</i> O157	
107	3/11/14, 7:00a.m., 34 degrees, cow	Neg	Neg	0

Standard Plate Count						
MRI Acc #	Sector	# colonies			# CFU/mL	✓ if ESPC <sup>1</sup>
		Sector 1	Sector 2	Total		
107	Total	N/A	N/A	11	220	

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

Standard Plate Count performed using the WASP2 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 overnight.

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

