

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: 3/15/2017  
 Time: 1245  
 Condition: Cold

MRI Acc #	Description	Indicated organism present (Neg/Pos)		Coliforms (CFU/mL)
		<i>Salmonella</i>	<i>E. coli</i> O157	
106	3/14/17, Cow and Goat, 9:00am, 33°F	Neg	Neg	0

Standard Plate Count						
MRI Acc #	Sector	# colonies			# CFU/mL	✓ if ESPC <sup>1</sup>
		Sector 1	Sector 2	Total		
106	4b	20	18	38	5,100	

<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.