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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:	10/12/2016
Time:	1320
Condition:	cold

MRI Acc #	Description	Indicated organism present (Neg/Pos)		Coliforms (CFU/mL)
		<i>Salmonella</i>	<i>E. coli</i> O157	
106	10/11/16 7:30 am 33 °F cow & goat	Neg	Neg	0

Standard Plate Count						
MRI Acc #	Sector	# colonies			# CFU/mL	✓ if ESPC ¹
		Sector 1	Sector 2	Total		
106	4a	24	19	43	3400	

¹Estimated 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.