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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:	7/11/2012
Time:	1300
Condition:	Cold

MRI Acc #	Description	Indicated organism present (+/-)		Coliforms (CFU/mL)
		<i>Salmonella</i>	<i>E. coli</i> O157	
129	7:00 a.m., 34°F, goat	-	-	0

Standard Plate Count						
MRI Acc #	Sector	# colonies			# CFU/mL	✓ if ESPC ¹
		Sector 1	Sector 2	Total		
129	4a	24	13	37	3000	

¹Estimated 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 and incubation at 41±2°C for 16-24 hours. Incubated enrichment broth was streaked to appropriate agar which was incubated for 16-24 hours 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 MAC and incubated at 36±2°C for 16-24 hrs.

For Coliform counts, 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.