Enumeration of Selected Bacteria from Milk

Dairy Name: Swing Shift Farm
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Sample Receipt	
Date:	6/20/2018
Time:	1300
Condition:	cold

MRI Acc #	Description	Indicated organism present (Neg/Pos)		Coliforms (CFU/mL)
		Salmonella	*E. coli* O157	
101	cow + goat 6/19/18 9:00 am 33°F	Neg.	Neg.	0

Standard Plate Count

MRI Acc #	Sector	# colonies			# CFU/mL	✓ if ESPC[1]
		Sector 1	Sector 2	Total		
101	Total	N/A	N/A	7	140	

[1]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.