



MilkTest NZ

Te Rapa

Client Number 2775

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Authorised Representative

Deval Bhatt
Quality Manager

Programme

MPI Recognised Laboratory Programme

Accreditation Number 1168

Initial Accreditation Date 23 May 2016

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Animal Products Notice: Recognised Laboratories
Animal Products Regulations 2021

Laboratory Services Summary

Microbiological testing
Chemical testing
Physical testing
MPI Monitoring and Surveillance

Operations Manager
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Microbiological testing

Dairy Products

(raw milk, colostrum)

30.1	Somatic cells (Fossomatic) Somatic cells (Fossomatic)	ISO 13366-2 / IDF 148-2:2006 NZTM 2.28.2
30.5	Aerobic Plate Count (APC) APC APC APC APC	APHA Ch. 9.030 (modified) NZTM 2.43.1 ISO 4833:2013 (modified) Bactoscan NZTM 2.23.1
30.5.1	Bactoscan® (APC estimate)	Bactoscan
30.6	Coliforms (total) Coliforms (total)	ISO 4832:2006 (modified) NZTM 2.48.1 (modified)
31.1	APC / SPC / TPC APC / SPC / TPC	ISO 4833:2013 (modified) NZTM 2.43.1

Chemical testing

Dairy Products

(milk, cream, colostrum)

30.2	Inhibitory Substances Inhibitory Substances	Delvo T – Standard Diffusion Test IDEXX SNAP tetracycline test
32.1	Fat (Milkoscan) Fat (Milkoscan) Fat (RG) Fat (RG)	ISO 9622 / IDF 141:2013 NZTM 3.8.1 ISO 23318 / IDF 249:2022 (modified) NZTM 3.6.3
32.33	Immunoglobulin	In-house (HPLC-UV)

Physical testing

Dairy Products

(milk)

30.3	Freezing point depression (Cryoscope) Freezing point depression (Milkoscan)	ISO 5764 / IDF 108:2009 ISO 9622 / IDF 141:2013
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	Freezing point depression	NZTM 4.4.1
30.8	Foreign matter	In-house

MPI Monitoring and Surveillance

Testing carried out for the purposes of Part 8 of the Animal Products Regulations 2021

**Dairy products - Microbiological testing
(milk, colostrum)**

30.1	Somatic cells (Fossomatic)	ISO 13366-2 / IDF 148-2:2006
	Somatic cells (Fossomatic)	NZTM 2.28.2

**Dairy products - Chemical testing
(milk, colostrum)**

Determination of the following in bovine and caprine milk by the methods indicated

30.4	Urea (Milkoscan)	ISO 9622 / IDF 141:2013
32.1	Fat (Milkoscan)	ISO 9622 / IDF 141:2013
	Fat (Milkoscan)	NZTM 3.8.1
	Fat (RG)	ISO 23318 / IDF 249:2022 (modified)
	Fat (RG)	NZTM 3.6.3
32.4	Protein (Milkoscan)	ISO 9622 / IDF 141:2013
	Protein (Milkoscan)	NZTM 3.8.1
	Protein (Kjeldahl)	ISO 8968-1 / IDF 20.1:2014
	Protein (Kjeldahl)	NZTM 3.15.8
32.33	Immunoglobulin	In-house (HPLC-UV)
32.34	Lactose (Milkoscan)	ISO 9622 / IDF 141:2013
	Lactose (Milkoscan)	NZTM 3.8.1

**Dairy products - Physical testing
(milk, colostrum)**

32.36	Total Solids (Milkoscan)	ISO 9622 / IDF 141:2013
	Total Solids (Milkoscan)	NZTM 3.12.15
	Total Solids	ISO 6731 / IDF 21:2010 (modified)

**Dairy products – Chemical residue testing
(milk, colostrum)**

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8.65 Inhibitory substances Delvo T – Standard Diffusion Test

Determination of antibiotics in raw bovine and caprine milk by in-house LC-MS/MS procedures:

- 8.5 Beta-lactams (Amoxicillin, Ampicillin, Cloxacillin, Dicloxacillin, Oxacillin, Penicillin G)
- 8.6 Cephalosporins (Cefalonium, Cefaperin, Cefoperazone, Cefquinome)
- 8.7 Tetracyclines (Chlortetracycline, Oxytetracycline, Tetracycline)
- 8.9 Macrolides (Tylosin)
- 8.10 Sulphonamides (Sulfamethazine, Sulfisoxazole)
- 8.61 Chlorhexidine

References:

- APHA American Public Health Association Dairy Products (18th Edition) 2024
- IDF International Dairy Federation
- ISO International Organization for Standardization
- NZTM 2 New Zealand Dairy Industry Microbiological Methods Manual
- NZTM 3 New Zealand Dairy Industry Chemical Methods Manual
- NZTM 4 New Zealand Dairy Industry Physical Methods Manual

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