

CERTIFICATE OF ACCREDITATION

**RJ Hill Laboratories Ltd (Hill Labs)**

Christchurch

Client Number 6706

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Authorised Representative

Mrs Debra McLachlan
Christchurch Quality Assurance Coordinator

Programme

MPI Recognised Laboratory Programme

Accreditation Number 1138

Initial Accreditation Date 2 December 2015

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

Operations Manager
Authorisation:

Issue 38

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Microbiological testing

Potable water for the meat, poultry, egg and honey industries

In accordance with MIMM: Microbiological Methods for the Meat Industry (5th Edition), except where otherwise indicated.

1.1.1	Total coliforms / <i>Escherichia coli</i>	11 Appendix 1
	Total coliforms	APHA 9221B
	<i>Escherichia coli</i>	APHA 9221F
1.2	Faecal coliforms	APHA 9221E
1.3	Colony count 22 °C	11.6
1.6.1	<i>Clostridium perfringens</i> (including spores)	11 Appendix 3

Microbiological and Parasitology testing

Meat and meat products, poultry, eggs and environment samples, all seafood, tallows fats and oils, pet food and animal feeds, blood and blood products

In accordance with MIMM: Microbiological Methods for the Meat Industry (5th Edition) and the following Ministry for Primary Industries Animal Products Notice: National Microbiological Database Programme, except where otherwise indicated.

- Bovine, Ovine, Bobby calves
- Caprine and Cervine
- Porcine

2.1.1	Aerobic Plate Count (APC)	MIMM 6
	APC	TEMPO AC
	APC	RAC Petrifilm
2.1.2	APC spread plate	NMD 3.21.5 with sampling NMD 3
2.1.3	APC Petrifilm	NMD 3.21.6 with sampling NMD 3
2.1.5	APC	China OMAR
2.2.1	<i>Escherichia coli</i>	MIMM 8.4
	<i>Escherichia coli</i> (count)	TEMPO EC
2.2.2	<i>Escherichia coli</i> Petrifilm	NMD 3.22 with sampling NMD 3
2.3	<i>Staphylococcus aureus</i>	MIMM 7.8
2.4.1	Salmonella	MIMM 7.7

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	Salmonella	PCR (In-house)
2.4.2	Salmonella	ISO 6579-1:2017 / Amendment 1:2020
2.4.3	Salmonella	NMD 3.23 with sampling NMD 3
2.6	<i>Listeria monocytogenes</i>	PCR (In-house)
2.8	<i>Clostridium perfringens</i>	MIMM 7.10
2.9	Enterobacteriaceae	MIMM 8.2
23.1	<i>Escherichia coli</i> O157	US OMAR
23.3	Top 7 Shiga Toxin-producing <i>Escherichia coli</i> (N60 and Cloth sampling)	US OMAR
23.4	Top 7 Shiga Toxin-producing <i>Escherichia coli</i> confirmation	US OMAR (preparation of DNA sample only)
• Poultry		
2.4.3	Salmonella (detection)	NMD 4.14 with sampling NMD 4
22.1	<i>Campylobacter</i>	NMD 4.13 with sampling NMD 4

Microbiological testing

Seafood Products and Potable/Suitable Water

In accordance with APHA Standards Methods for the Examination of Water and Wastewater (Online Edition), except where otherwise indicated.

11.2.1	Faecal coliforms	9221E
11.2.3	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	MIMM 11 Appendix 1
	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	9221B
	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	9221F
11.3.1	Faecal coliforms	9221E
11.3.3	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	MIMM 11 Appendix 1
	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	9221B
	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	9221F
11.4.1	Total coliforms (coliform bacteria), <i>Escherichia coli</i>	APHA 1970 Part III (+ EC-TBX)
11.5.3	APC	APHA Comp. Ch. 8.72
	APC	APHA Comp. Ch. 8.82
	APC	RAC Petrifilm
	APC	TEMPO AC
11.5.10	<i>Escherichia coli</i>	APHA Comp. Ch. 9.93

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	<i>Escherichia coli</i>	TEMPO EC
11.5.11	Salmonella	PCR (In-house)
11.5.12	<i>Vibrio cholerae</i>	PCR (in-house)
11.6.1	Faecal coliforms	APHA (1970) Part III
11.6.2	<i>Escherichia coli</i>	Enumeration of <i>E coli</i> in Molluscan Bivalve Shellfish, MPI method
11.6.3	Salmonella	ISO 6579-1:2017 / Amendment 1:2020
11.6.7	APC	APHA Comp. Ch. 8.72
	APC	APHA Comp. Ch. 8.82
	APC	RAC Petrifilm
	APC	TEMPO AC
11.6.9	<i>Vibrio cholerae</i>	PCR (In-house)
11.8.1	<i>Escherichia coli</i>	Enumeration of <i>E coli</i> in Molluscan Bivalve Shellfish, MPI method
11.8.2	Salmonella	ISO 6579-1:2017 / Amendment 1:2020
	Salmonella	PCR (In house)
11.8.5	<i>Listeria monocytogenes</i>	ISO 11290-2:2017
	<i>Listeria monocytogenes</i>	PCR (In-house)
11.8.6	APC	APHA Comp. Ch. 8.72
	APC	APHA Comp. Ch. 8.82
	APC	RAC Petrifilm
	APC	TEMPO AC

Infant formula, foods for infants, and foods for special medicinal purposes

31.10	<i>Listeria monocytogenes</i> (including raw milk)	PCR (In-house)
31.12	Salmonella	PCR (In-house)
31.17	<i>Cronobacter</i> spp. including <i>Cronobacter sakazakii</i>	PCR (In-house)

Dairy products

(milk, milk powders, butter, caseins, cheese, cream, ice cream, frozen confectionery, cultured products)

30.5	APC (raw milk)	RAC Petrifilm
30.5	APC (raw milk)	TEMPO AC
30.6	Coliforms (total) (raw milk)	TEMPO TC
31.1	APC (including raw milk)	RAC Petrifilm

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31.1	APC	TEMPO AC
31.2	<i>Bacillus cereus</i> (including raw milk)	BC Petrifilm
31.2	<i>Bacillus cereus</i>	TEMPO BC
31.6	Coliforms (count)	TEMPO TC
31.7	<i>Escherichia coli</i>	TEMPO EC
31.8	Enterobacteriaceae	TEMPO EB
31.10	<i>Listeria monocytogenes</i> (including raw milk)	PCR (In-house)
31.12	Salmonella	PCR (In-house)
31.14	<i>Staphylococcus aureus</i> (including raw milk) (<i>Staphylococcus</i> , Coagulase Positive)	STX Petrifilm
31.14	<i>Staphylococcus aureus</i> (<i>Staphylococcus</i> , Coagulase Positive)	TEMPO STA
31.16	Yeasts and moulds (butter only)	TEMPO YM

Chemical testing

Potable water for meat and game premises

In accordance with APHA Standards Methods for the Examination of Water and Wastewater (Online Edition), except where otherwise indicated.

5.01	Colour	2120 C (modified)
5.02	Conductivity	2510 B
5.03	pH (hydrogen ion concentration)	4500-H ⁺ B (modified)
5.04	Turbidity	2130 B (modified)

References:

APHA	Standard Methods for the Examination of Water and Wastewaters (Online Edition)
APHA (1970)	Recommended Procedures for the Examination of Seawater and Shellfish (4 th Edition)
APHA Comp.	Compendium of Methods for the Microbiological Examination of Foods (5 th Edition)
FDA	US Food & Drug Administration Bacteriological Analytical Manual (Online Edition)
ISO	International Organisation for Standardisation
MIMM	Meat Industry Microbiological Methods (5 th Edition)
NMD	Animal Products Notice: National Microbiological Database Programme

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