



**Eurofins ELS**

Wellington

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**Authorised Representative**

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**Programme**

Biological Testing Laboratory

**Accreditation Number 639**

**Initial Accreditation Date 28 February 1997**

**Conformance Standard**

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

**Laboratory Services Summary**

**General Microbiology**


- 1.11 Foods
- 1.12 Waters
- 1.71 Biological Condition

**Sampling**

- 1.12 Waters

**Molecular Biology**

- 1.11 Foods
- 1.71 Biological Condition

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**General Microbiology**

**1.11 Foods**

- (a) Cereals and cereal products
- (b) Edible oils, fats and derived products
- (c) Nuts, fruits, vegetables and derived products
- (d) Sauces, herbs, spices and condiments
- (e) Sugar and sugar confectionery
- (f) Dairy products
- (g) Meat, poultry and derived products
- (h) Fish and fish products
- (i) Eggs and egg products
- (k) Non-alcoholic beverages
- (q) Animal feeds

In accordance with APHA and FDA except where otherwise indicated.

Aerobic plate count	AOAC 990.12
Aerobic plate count	APHA Ch. 8
Aerobic plate count spiral plater	MIMM 6.0
Aerobic plate count spiral plater	MIMM 6.0 (modified)
Aerobic plate count	MIMM 6.0 (modified)
Anaerobic plate count	APHA Ch. 6.7 (modified)
<i>Bacillus cereus</i>	APHA Ch. 31
Campylobacter	Ch. 7
Campylobacter (poultry broiler caeca)	In-house (based on NMD procedures)
Coliforms	Ch. 4
Coliforms	AOAC 991.14
<i>E. coli</i>	Ch. 4
<i>E. coli</i>	AOAC 991.14
Enterobacteriaceae	AOAC 2003.01
Faecal coliforms	Ch. 4
Lactic acid bacteria	MIMM 9.7
Lactic acid bacteria	APHA Ch. 19.522
Listeria	Ch. 10
<i>Listeria monocytogenes</i>	Ch. 10
<i>Listeria monocytogenes</i>	ISO 11290-2:2017
<i>Staphylococcus aureus</i>	Ch. 12
Yeasts and moulds	MIMM 9.5
Yeasts and moulds	Ch. 18

**(g) Meat, poultry and derived products**

Aerobic plate count (swabs & bulk sample)	MIMM 6.6
Aerobic plate count (swabs & bulk sample)	MIMM 6.6 (modified)

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Campylobacter (poultry only)	ISO 10272-2:2017 (Part 2)
<i>Clostridium perfringens</i>	MIMM 7.10
<i>E. coli</i> (swabs & bulk sample)	MIMM 8.4
<i>E. coli</i> Top 7 Screen (meat & cloth sampling)	Biocontrol Assurance GDS MPX Top 7
<i>E. coli</i> O157 (meat & cloth sampling)	Biocontrol Assurance GDS MPX Top 7
Enterobacteriaceae	MIMM 8.2
Salmonella	MIMM 7.7
Salmonella	ISO 6579:2017 / Amendment 1:2020
<i>Staphylococcus aureus</i>	MIMM 7.8

**1.12 Waters**

- (a) Potable waters
- (b) Non-potable waters
- (c) Sewage
- (d) Effluent and trade wastes
- (e) Cooling tower and industrial waters
- (f) Swimming and spa pools
- (g) Marine waters

The following tests are in accordance with APHA “Standard Methods for the Examination of Water and Wastewater” (24<sup>th</sup> Edition) except where otherwise indicated.

<i>E. coli</i> – MF	9222 I
<i>E. coli</i> – MPN	9223 B Colilert Quantitray (51 well)
<i>E. coli</i> – MPN	9223 B Colilert Quantitray (97 wells)
<i>E. coli</i> – MPN	9223 B Colilert-18 Quantitray (51 wells)
<i>E. coli</i> – MPN	9223 B Colilert-18 Quantitray (97 wells)
<i>E. coli</i> – mTec	9213 D
Enterococci – MF	9230 C
Enterococci – MF	USEPA 1600 (2014)
Enterococci – MPN	9230 D
Faecal coliforms – MF	9222 D
Giardia and Cryptosporidium	EPA 1623 (modified)
Heterotrophic colony count	AS/NZS 4276.3.1:2007 (e) only
Heterotrophic plate count (22°C, 35°C, 37°C)	9215 B
Legionella	ISO 11731:2017 (modified)
Legionella species	AS 3896:2017 (modified)
<i>Pseudomonas aeruginosa</i>	9213 E
<i>Staphylococcus aureus</i>	9213 B
Total coliforms – MF	9222 B
Total coliforms – MPN	9223 B Colilert (10 tube)
Total coliforms – MPN	9223 B Colilert Quantitray (51 wells)
Total coliforms – MPN	9223 B Colilert Quantitray (97 wells)
Total coliforms – MPN	9223 B Colilert-18 Quantitray (51 wells)

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Total coliforms – MPN 9223 B Colilert-18Quantitray (97 wells)

- (a) Potable waters
- (b) Non-potable waters

The following tests are in accordance with APHA “Standard Methods for the Examination of Water and Wastewater” (24<sup>th</sup> Edition) except where otherwise indicated.

*E. coli* – MF 9222 K  
 Total coliforms – MF 9222 K

- (a) Potable waters

Faecal coliforms – MF MIMM 11.4  
 Total coliforms (coliform bacteria),  
*Escherichia coli* MIMM 11 Appendix 1

**1.71 Biological Condition**

- (a) Air

Aerobic plate count MIMM 6  
 Yeasts and mould In-house based on MIMM 9.5


- (b) Plant hygiene evaluation

Aerobic plate count MIMM 6  
 Campylobacter FDA BAM 7  
*Clostridium perfringens* MIMM 7.10  
*E. coli* MIMM 8.4  
 Enterobacteriaceae MIMM 8.2  
*Listeria monocytogenes* ISO 11290-2:2017  
 Listeria species MIMM 7.5  
 Salmonella MIMM 7.7  
*Staphylococcus aureus* MIMM 7.8  
 Yeasts and mould MIMM 9.5

**Sampling**

**1.12 Waters**

- (a) Potable waters
- (b) Non-potable waters
- (c) Sewage

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- (d) Effluent and trade wastes
- (e) Cooling tower and industrial waters
- (f) Swimming and spa pools
- (g) Marine waters

Sampling in accordance with in-house procedures based on AS/NZS 5667

**Molecular Biology**

**1.11 Foods**

- (a) Cereals and cereal products
- (b) Edible oils, fats and derived products
- (c) Nuts, fruits, vegetables and derived products
- (d) Sauces, herbs, spices and condiments
- (e) Sugar and sugar confectionery
- (f) Dairy products
- (g) Meat, poultry and derived products
- (h) Fish and fish products
- (i) Eggs and egg products
- (k) Non-alcoholic beverages
- (q) Animal feeds

<i>Listeria monocytogenes</i> (PCR)	BACGene
<i>Listeria</i> species (PCR)	BACGene
Salmonella	BACGene

**(g) Meat, poultry and derived products**

<i>E. coli</i> Top 7 Screen (meat)	Biocontrol Assurance GDS MPX Top 7
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**1.71 Biological Condition**

**(b) Plant hygiene evaluation**

<i>Listeria monocytogenes</i> (PCR)	BACGene
<i>Listeria</i> species (PCR)	BACGene
Salmonella	BACGene

**References:**

AOAC	AOAC International
APHA	Compendium of Methods for the Microbiological Examination of Foods (5 <sup>th</sup> Edition)

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# CERTIFICATE OF ACCREDITATION



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AS/NZS	Australian / New Zealand Standards
FDA BAM	Food and Drug Administration Bacteriological Analytical Manual (Online)
ISO	International Organization for Standardization
MIMM	Meat Industry Microbiological Methods (5 <sup>th</sup> Edition)
NMD	National Microbiological Databases procedures
USEPA	United States Environmental Protection Agency

Uncontrolled copy from the internet

Operations Manager  
Authorisation:

A handwritten signature in black ink, appearing to read "A. H. O. K. T. O.", is written over a white background.

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