

## Laboratory Accreditation Programmes

Schedule to  
**CERTIFICATE OF ACCREDITATION**

Hill Laboratories  
 Blenheim

**Client No. 8737**

Private Bag 1007, Blenheim, 7240  
 Grovetown Park, State Highway 1, Blenheim, 7202

**Telephone 0508 445-5522**  
**Fax**

**www.hill-laboratories.com**

**Authorised Representative**

Mrs Debra McLachlan  
 SI Quality Assurance and Health and Safety Coordinator  
 PO Box 16607  
 Hornby  
 Christchurch 8441  
 New Zealand

**Programme**

Biological Testing Laboratory

**Accreditation Number 953**

**Initial Accreditation Date 3 August 2005**

**Conformance Standard**

NZS ISO/IEC 17025:2005  
 General requirements for the competence of testing and calibration laboratories

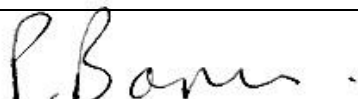
**Testing Services Summary**

1.11	Foods
1.12	Waters
1.71	Biological Condition

**Key Technical Personnel**

Mr Henry Collins	1.11, 1.12, 1.71
Miss April Flett	1.11, 1.12, 1.71
Mr Hamish Keown	1.11, 1.12, 1.71
Ms Nipa Patel	1.11, 1.12, 1.71

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 General Manager



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**1.11 Foods**

- (b) **Edible oils, fats and derived products**
- (c) **Nuts, fruits, vegetables and derived products**
- (d) **Sauces, herbs, spices and condiments**
- (f) **Dairy products**
- (g) **Meat, poultry and derived products**
- (h) **Fish and fish products**
- (i) **Eggs and egg products**
- (j) **Alcoholic beverages**
- (k) **Non-alcoholic beverages**
- (q) **Animal feeds**

These terms of accreditation provide for the performance of the following tests to methods such as those from the references listed below except where otherwise indicated.

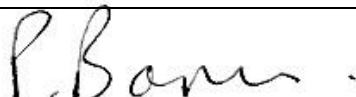
Aerobic plate count	APHA Comp Ch 6.523
Aerobic plate count	APHA Comp Ch 8.82
Coliforms (presumptive) - MPN	APHA Comp Ch 9.71
<i>Cronobacter sakazakii</i> (PCR)	In-house method
<i>E coli</i> - MPN	APHA Comp Ch 9.91 (modified)
<i>E coli</i> - TBX	APHA Comp Ch 9.93
<i>E coli</i>	MPI Method
Faecal coliforms – MPN	APHA Comp Ch 9.81 (modified)
<i>Listeria monocytogenes</i>	ISO 11290-2:1998
<i>Listeria monocytogenes</i> (PCR)	In-house method
Listeria species (PCR)	In-house method
Salmonella	ISO 6579:2002E
Salmonella (PCR)	In-house method
<i>Staphylococcus aureus</i>	ISO 6888-1:2003
Total coliforms	APHA Comp Ch 9.72
Yeasts and moulds	British Pharmacopeia

**1.12 Waters**

- (a) **Potable waters**
- (b) **Non-potable waters e.g. receiving waters, ground waters**
- (c) **Sewage**
- (d) **Effluent and trade wastes**
- (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” 22<sup>nd</sup> Edition except where otherwise indicated.

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<i>E coli</i> - Colilert - P/A	9223 B
<i>E coli</i> - MF	9222 D
<i>E coli</i> - MPN	9221 F (modified)
<i>E coli</i> - MPN	9223 B
<i>E coli</i> - MPN	MIMM 11.A1
<i>E coli</i> - Quantitray	9223 B
<i>E coli</i> - MPN	1970 (modified)
Enterococci	9230 D
Enterococci	MIMM 12.4
Faecal coliforms - MF	9222 D
Faecal coliforms - MPN	9221 E
Heterotrophic plate count	9215 B
<i>Pseudomonas aeruginosa</i>	9213 E
<i>Staphylococcus aureus</i>	9213 B
Total coliforms - MPN	9221 B
Total coliforms – Colilert – P/A	9223 B
Total coliforms – Quantitray	9223 B
Total coliforms – MPN	9223 B
Total coliforms	MIMM 11.A.1

**1.71 Biological Condition**

**(b) Plant hygiene evaluation**

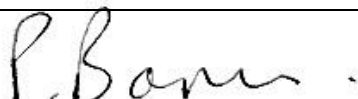
These terms of accreditation provide for the performance of the following tests on environmental swabs to methods such as those listed under class of test 1.11 above

Aerobic plate count	APHA Comp Ch 6.523
Aerobic plate count	APHA Comp Ch 8.82
<i>Cronobacter sakazakii</i> (PCR)	In-house method
Listeria species (PCR)	In-house method
<i>Listeria monocytogenes</i> (PCR)	In-house method
Salmonella	ISO 6579:2002E
Salmonella (PCR)	In-house method

**References:**

APHA Comp	APHA Compendium of Methods for the Microbiological Examination of Foods (5 <sup>th</sup> Edition)
APHA 1970	Recommended Procedures for the Examination of Seawater and Shellfish (4 <sup>th</sup> Edition)
BP	British Pharmacopoeia (2003)
FDA BAM	Bacteriological Analytical Manual (8 <sup>th</sup> Edition) and subsequent amendments
ISO	International Standards Organisation
MIMM	Meat Industry Microbiological Methods (5 <sup>th</sup> Edition)
MPI	Ministry for Primary Industries

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